DOCUMENT RESUME

ED 041 598 LI 001 889

TITLE	ERIC Products 1969-1970; A Bibliography of Information Analysis Publications of the ERIC Clearinghouses July 1969-June 1970.
INSTITUTION	ERIC Clearinghouse on Library and Information Sciences, Washington, D.C.
SPONS AGENCY	Educational Resources Information Center, DIR.
PUB DATE	Aug 70
NOTE	47p.
EDRS PRICE	EDRS Price MF-$0.25 HC-$2.45
DESCRIPTORS	Bibliographic Citations, *Bibliographies, *Clearinghouses, *Education, Educational Research, Educational Resources, Information Dissemination, Information Services, *Information Systems, Literature Reviews, *Publications, Research Reviews (Publications)

ABSTRACT

The third annual bibliography of ERIC Clearinghouse publications reflects information analysis activities of each Clearinghouse. It includes all substantial bibliographies, review papers and state-of-the-art papers identified as ERIC publications. The 366 annotated items for Fiscal Year 1970 are arranged alphabetically by Clearinghouse and, within each Clearinghouse, alphabetically by author. The availability and cost of each cited document is provided. This issue also has an alphabetic subject index using ERIC Thesaurus terms. The first issue of ERIC Products for Fiscal Year 1968 is available as ERIC document ED 029 161 and the second, for Fiscal Year 1969, as ERIC document ED 034 089. (NH)

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ERIC PRODUCTS 1969-1970

A Bibliography of Information Analysis
Publications of the ERIC Clearinghouses
July 1969-June 1970

Compiled by the
ERIC CLEARINGHOUSE ON LIBRARY AND INFORMATION SCIENCES
AMERICAN SOCIETY FOR INFORMATION SCIENCE

LI 001 889

U.S. Department of Health, Education, and Welfare
Office of Education
Educational Resources Information Center
1970

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INTRODUCTION

The ERIC System

The Educational Resources Information Center (ERIC) is a national information system of the Office of Education dedicated to the progress of education through the dissemination of educational research results, research-related materials, and other resource information that can be used in developing more effective educational programs. Through a network of twenty specialized centers, or clearinghouses, each of which is responsible for a particular subject area, the information is monitored, acquired, evaluated, abstracted, indexed, and listed in ERIC reference products. These reference publications, *Current Index to Journals in Education (CIJE)* and *Research in Education (RIE)*, thus provide access to reports of innovative programs and significant efforts in educational research, both current and historical.

CIJE provides detailed indexing for articles in over 500 education and education-related journals. It is published monthly by CCM Information Corporation, 909 Third Avenue, New York, New York 10022. Subscription rate: U.S. - $34.00 a year, single copy - $3.50; semi-annual and annual cumulative indexes - $35.00. Foreign subscriptions have postage added.

RIE is a bibliography containing abstracts of documents and current research projects. This is a monthly publication of the Government Printing Office, Washington, D.C. 20402. Annual subscription - $21.00 domestic; $26.25 foreign. Copies of most of the documents announced in *RIE* may be purchased in either microfiche (MF) or hard copy (HC) format from the ERIC Document Reproduction Service (EDRS), National Cash Register Company, 4936 Fairmont Avenue, Bethesda, Maryland 20014. Orders, specifying microfiche or hard copy, must be placed directly with EDRS and must include the ED number. A handling charge of $0.50 is to be added to all orders and payment, including sales tax where applicable, must accompany all orders totalling less than $5.00. Further details on ordering documents and order forms are available on request by writing to the ERIC Document Reproduction Service at the above address.

In addition to their bibliographic activities, each clearinghouse engages in "information analysis" activities, including the preparation of bibliographies, research reviews, interpretive studies and similar publications designed to list, organize, review and synthesize the literature of educational research.

ERIC Products

ERIC Products is an annual bibliography of those publications of the ERIC Clearinghouses reflecting information analysis activities. It includes all substantial bibliographies, review papers, and state-of-the-art papers identified as ERIC publications; it does not include routine brochures, accession lists and short notes published in clearinghouse newsletters. This third issue of *ERIC Products* lists 366 publications of Fiscal Year 1970--July 1969 through June 1970*.

Entries in the bibliography are arranged alphabetically by the name of the clearinghouse; within each clearinghouse, entries without identified personal authors are listed before those with authors. For each entry, the following items of information, as appropriate and in the form supplied by the individual clearinghouses, have been given:

1. Personal author(s)
2. Title
3. Series name and number
4. Journal reference
5. Date of publication, if not already included in a journal reference
6. Number of pages
7. Type of publication, e.g., Bibliography, Review Paper, etc.
8. ERIC Document (ED) number or clearinghouse accession number if the document has not yet appeared in *Research in Education*
9. Date of appearance of abstract in *Research in Education*
10. Price of the document, in either microfiche (MF) or hard copy (HC) format
11. A brief abstract

In addition, this issue of the *ERIC Products* contains an alphabetic subject index using ERIC Thesaurus terms.

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*The first issue of *ERIC Products*, listing 149 publications of Fiscal Year 1968, is available as ERIC document ED 029 161 (Price: MF-$0.25; HC-$1.30) and the second issue, listing 240 publications of Fiscal Year 1969, is available as ERIC document ED 034 089 (Price: MF-$0.25; HC-$1.80) from the ERIC Document Reproduction Service.

ERIC PRODUCTS 1969-1970

STATISTICAL SUMMARY

	Type of Publication					
Clearinghouse	Bibliographies	Annotated Bibliographies	State-of-the-art Papers	Review Papers	Other	TOTAL
Adult Education	-	10	-	9	1	20
Counseling & Personnel Services	-	4	-	13	2	19
Early Childhood Education	-	1	-	4	2	7
Educational Administration	10	1	-	2	1	14
Educational Facilities	3	12	1	-	-	16
Educational Media & Technology	-	4	3	2	2	11
Exceptional Children	31	-	-	21	1	53
Higher Education	1	-	2	4	1	8
Junior Colleges	-	-	-	17	-	17
Library & Information Sciences	1	2	2	2	-	7
Linguistics	2	-	2	4	3	11
Reading	1	12	1	-	1	15
Rural Education & Small Schools	1	4	-	6	2	13
Science Education	11	-	-	9	2	22
Teacher Education	2	11	3	-	12	28
Teaching of English	2	26	2	-	2	32
Teaching of Foreign Languages	3	1	1	13	11	29
Urban Disadvantaged	1	6	-	7	-	14
Vocational & Technical Education	8	-	12	-	10	30
TOTALS	77	94	29	113	53	366

ADULT EDUCATION

70-001 ADULT BASIC EDUCATION. CURRENT INFORMATION SOURCES, NO. 27. 89p. March 1970. (Annotated Bibliography) ED 035 777 RIE June 1970. MF-$0.50; HC-$4.55.

The 261 referenced documents, mostly from 1965, deal with surveys, planning, program descriptions, curriculum materials, clientele groups, teachers and administrators, teacher training, and recruitment.

70-002 CONTINUING EDUCATION IN THE PROFESSIONS. CURRENT INFORMATION SOURCES, NO. 24. 100p. September 1969. (Annotated Bibliography) ED 033 250 RIE March 1970. MF-$0.50; HC-$5.10.

Various aspects of professional continuing education are covered by the 225 items listed.

70-003 MANAGEMENT AND SUPERVISORY DEVELOPMENT. CURRENT INFORMATION SOURCES, NO. 26. 77p. November 1969. (Annotated Bibliography) ED 033 251 RIE March 1970. MF-$0.50; HC-$3.95.

A list of 210 references to bibliographies, information sources, and studies on training needs and interests, career patterns, learning behavior and achievement, and program planning.

70-004 OCCUPATIONAL TRAINING FOR DISADVANTAGED ADULTS. CURRENT INFORMATION SOURCES, NO. 29. 109p. April 1970. (Annotated Bibliography) ED 036 676 RIE July 1970. MF-$0.50; HC-$5.55.

Two hundred and fifty items on various aspects and areas of occupational training for disadvantaged adults are cited.

70-005 PROGRAMMED INSTRUCTION IN BUSINESS AND INDUSTRY. CURRENT INFORMATION SOURCES, NO. 28. 47p. April 1970. (Annotated Bibliography) ED 035 789 RIE June 1970. MF-$0.25; HC-$2.45.

The 97 items relevant to programmed instruction in business and industry cover the period since 1960.

70-006 RESIDENTIAL ADULT EDUCATION. CURRENT INFORMATION SOURCES, NO. 25. 47p. October 1969. (Annotated Bibliography) ED 032 449 RIE February 1970. MF-$0.25; HC-$2.45.

The bibliography contains 113 entries, mainly 1964 or later, covering the residential method, historical reviews, directories of facilities, conference planning and administration, program descriptions, and bibliographies on instructional methods and techniques.

70-007 SELF CONCEPT IN ADULT PARTICIPATION. 70p. November 1969. (Conference Report and Bibliography) ED 033 252 RIE March 1970. MF-$0.50; HC-$3.60.

Three adult education conference papers, together with abstracts, on adult education participation and self-concept.

70-008 UNIVERSITY ADULT EDUCATION. (IN: HIGHER ADULT EDUCATION IN THE UNITED STATES; THE CURRENT PICTURE, TRENDS AND ISSUES, Knowles, Malcom S. Washington, D.C.: American Council on Education, 1969. 124p.) 50p. 1969. (Annotated Bibliography) ED 034 145 RIE April 1970. Not available.

A 173-item selected bibliography on university adult education.

70-009 DeCrow, Roger. PHYSICAL FACILITIES IN THE EDUCATION AND TRAINING OF ADULTS: MEMO ON SPARSE RESEARCH AND DEVELOPMENT LITERATURE. 83p. March 10, 1970. (Review Paper) ED 036 677 RIE July 1970. MF-$0.50; HC-$4.25.

A critical review of adult education facilities in the realm of formal education, business and industry, churches and synagogues, community organizations, government agencies, and proprietary schools. Various implications and unanswered questions are raised. Contains a 50 item annotated bibliography.

70-010 DeCrow, Roger and Grabowski, Stanley M., eds. RESEARCH AND INVESTIGATION IN ADULT EDUCATION; 1969 ANNUAL REGISTER. 150p. September 1969. (Annotated Bibliography) ED 030 774 RIE December 1969. MF-$0.75; HC-$7.60.

An author index and numerous cross references are included with these 490 abstracts of research studies in adult education which were completed and reported since the 1968 compilation.

70-011 Grabowski, Stanley M., ed. ABSTRACTS OF PAPERS PRESENTED TO THE NATIONAL SEMINAR ON ADULT EDUCATION RESEARCH (TORONTO, FEBRUARY 9-11, 1969). 46p. July 1969. (Annotated Bibliography) ED 030 003 RIE November 1969. MF-$0.25; HC-$2.40.

Thirty-four research papers in adult education which were given at the 1969 National Seminar on Adult Education Research are abstracted.

70-012 Grabowski, Stanley M. CONTINUING EDUCATION IN THE PROFESSIONS. *Adult Leadership:* Volume 19, Number 1. p34-35. May 1970. (Review).

A discussion of some of the literature on continuing education in the professions processed by the ERIC Clearinghouse on Adult Education

70-013 Grabowski, Stanley M. EDUCATION FOR LEISURE. *Adult Leadership:* Volume 18, Number 4. p99-100. September 1969. (Review).

Some of the literature on education for leisure processed by the ERIC Clearinghouse on Adult Education are noted.

70-014 Grabowski, Stanley M. EDUCATION FOR REHABILITATION. *Adult Leadership:* Volume 18, Number 6. p186-187. December 1969. (Review).

Cites examples of literature pertaining to education for rehabilitation of public offenders.

70-015 Grabowski, Stanley M. FEDERAL FUNDING OF ADULT EDUCATION. *Adult Leadership:* Volume 18, Number 9. p293-294. March 1970. (Review).

Examples of literature dealing with federal funding of adult education are cited.

70-016 Grabowski, Stanley M. NEW CAREERS FOR NONPROFESSIONALS IN THE HUMAN SERVICES. *Adult Leadership:* Volume 18, Number 7. p221-222. January 1970. (Review).

A compilation of literature on new careers in the employment of nonprofessionals in the human services.

70-017 Grabowski, Stanley M. THE UNIVERSITY AND PUBLIC SERVICE. *Adult Leadership:* Volume 18, Number 5. p151-163. November 1969. (Review).

A current literature review about the university and public service.

70-018 Heffernan-Cabrera, Patricia. A HANDBOOK FOR TEACHERS OF ENGLISH TO NON-ENGLISH SPEAKING ADULTS. 69p. October 1969. (Review Paper) ED 033 335 RIE March 1970. MF-$0.50; HC-$3.55.

A practical manual on second language learning and TESOL methodology, materials and evaluation.

70-019 Schadt, Armin L. ADULT EDUCATION IN GERMANY: BIBLIOGRAPHY. 49p. June 1969. (Annotated Bibliography) ED 029 167 RIE October 1969. MF-$0.25; HC-$2.55.

A listing of 100 German-language documents on adult education in Germany, listed in three historical periods with a supplement of 13 English-language document abstracts.

70-020 Whipple, James B. COMMUNITY SERVICE AND CONTINUING EDUCATION: LITERATURE REVIEW. June 1970. (Review Paper) AC 006 976.

A literary examination of the relationship between community service and continuing education as revealed in the substance, audience, and methods of Title I programs. The role of higher education in community service and continuing education is also covered.

COUNSELING AND PERSONNEL SERVICES

70-021 CAPS CAPSULE; Volume 3, Number 1. 27p. Fall 1969. (Review) ED 033 253 RIE March 1970. MF-$0.25; HC-$1.45.

Specific personnel services in other countries discussed are: (1) counseling services in Europe, (2) counseling services in Latin America and (3) counseling services in England. Also included are annotated listings of ERIC documents on international guidance and innovative programs in personnel services and listings of center activities.

70-022 CAPS CAPSULE: Volume 3, Number 2. 28p. Winter 1970. (Review) ED 035 783 RIE June 1970. MF-$0.25; HC-$1.50.

Concerning the concept and structure of the National Assessment of Educational Progress (NAEP) the following are discussed: (1) NAEP's origin, (2) the subject areas selected for assessment, (3) the development and use of program tests, (4) how information is reported and used and (5) future goals of the program. Critical assessments and analyses of NAEP follow.

70-023 INTEGRATED PERSONNEL SERVICES INDEX: Volume 1, Number 2. 339p. December 1969. (Annotated Bibliography) ED 031 773 RIE January 1970. MF-$1.50; HC-$17.05.

70-024 INTEGRATED PERSONNEL SERVICES INDEX: Volume 2, Number 1. 437p. June 1970. (Annotated Bibliography) ED 037 594 RIE August 1970. MF-$1.75; HC-$21.95.

The Integrated Personnel Services Index (IPSI), designed to provide information about knowledge resources currently available in all fields of student services is divided into three major sections: (1) resume section, (2) subject index and (3) author index. Within the subject index, resources are grouped according to seven subject groupings. Availability of all resources is given.

70-025 Hansen, Lorraine Sundal. CAREER GUIDANCE PRACTICES IN SCHOOL AND COMMUNITY. 200p. 1970. (Review) ED 037 595 RIE August 1970. MF-$1.00; HC-$10.10.

From a survey of state departments of education, professional journals, research reports, colleges and universities, conference reports, vocational guidance specialists, and individual school systems proven programs and techniques related to the school curriculum were selected. The monograph is organized into six chapters: (1) summarizes principles and trends of career development, (2) describes current practices and programs,

(3) presents school-community projects, (4) discusses computer oriented systems, (5) presents concerns central to vocational education and examples of programs and (6) presents supplementary references and a subject index.

70-026 Harrison, Don K. SERIES 2. PERSPECTIVES ON TRAINING THE DISADVANTAGED--THE HARD-TO-EMPLOY: PREVOCATIONAL TRAINING FOR THE HARD-TO-EMPLOY--A SYSTEMS APPROACH. *Personnel Services Review:* 10p. May 1970. (Review) CG 400 012.

The systems approach emphasizes the achievement of goals and sub-goals through an interplay of program components. It utilizes programmed instruction that is highly detailed, has a built-in reward system, and provides personal support and counseling for each trainee.

70-027 Harrison, Don K. SERIES 2. PERSPECTIVES ON TRAINING THE DISADVANTAGED--THE HARD-TO-EMPLOY: RECRUITING THE HARD-TO-EMPLOY. *Personnel Services Review:* 9p. May 1970. (Review) CG 400 007.

A special company recruiting agent, who can move freely in the community and go into the community centers and pool halls is needed to find and attract the hard-to-employ. Private firms, which can be located with help of local Chamber of Commerce or National Association of Businessmen, specialize in training the hard-core; they also do the recruiting. However, recruiting is but the first step in support for the hard-to-employ; special programs will need genuine support of top management, supervisory personnel, and plant workers.

70-028 Harrison, Don K. and Brown, Dorothy R. SERIES 2. PERSPECTIVES ON TRAINING THE DISADVANTAGED--THE HARD-TO-EMPLOY: APPROACHES TO SELECTION AND HIRING. *Personnel Services Review:* 10p. May 1970. (Review) CG 400 008.

Traditional employment screening procedures; the interview, the job application, the high school diploma and work try-outs, may screen out the hard-to-employ. Employment testing may reflect the trainee's anxiety, cultural differences and inability to read rather than his potential capability as a worker. This monograph questions the traditional employment techniques for the hard-core and suggests some alternatives.

70-029 Harrison, Don K. and Brown, Dorothy R. SERIES 2. PERSPECTIVES ON TRAINING THE DISADVANTAGED--THE HARD-TO-EMPLOY: THE HARD-TO-EMPLOY--WHO ARE THEY? *Personnel Services Review:* 9p. May 1970. (Review) CG 400 006.

The hard to employ, both urban and rural, share common characteristics: (1) inadequate income, (2) slum housing, (3) inferior education, (4) no medical attention and (5) lack of real job opportunities. But there is optimism in reclamation of the so-called disadvantaged for social and economic reasons. This group is an unrealized manpower source that may reach fruition through special training programs that offer job and personal support.

70-030 Harrison, Don K. and Brown, Dorothy R. SERIES 2. PERSPECTIVES ON TRAINING THE DISADVANTAGED--THE HARD-TO-EMPLOY: RETENTION OF THE HARD-TO-EMPLOY. *Personnel Services Review:* 10p. May 1970. (Review) CG 400 018.

Although calculated by various statistical methods, retention (in this monograph) refers to the time a former hard-core member stays on the job. The hard-core need special assistance to get a job and keep it. The special assistance or support for the new employee may come from divergent sources such as the highly-trained clinical psychologist or the buddy system that utilizes a fellow employee with a comparable background to that of the new employee.

70-031 Kersch, Susan F. SERIES 1. INNOVATIONS IN THE TRAINING AND SUPERVISION OF COUNSELORS: SIMULATION GAMING. *Personnel Services Review:* 10p. March 1970. (Review) CG 400 014.

Focusing on innovations in the training and supervision of counselors, this discusses simulation gaming by providing: (1) a definition of the procedure, (2) a description of models of practice, (3) a discussion of the effects of using simulation gaming, (4) suggestions for possible applications of the procedure and (5) questions to consider when designing or using simulation gaming experiences. A bibliography is included.

70-032 Miller, Juliet V. SERIES 1. INNOVATIONS IN THE TRAINING AND SUPERVISION OF COUNSELORS: CO-COUNSELING. *Personnel Services Review:* 9p. March 1970. (Review) CG 400 004.

This is one of a series which focuses on innovations in the training and supervision of counselors. It discusses co-counseling by providing: (1) a definition of the procedure; (2) a description of models of practice; (3) a discussion of the effects of using co-counseling; (4) suggestions for possible applications of the procedure; and (5) steps to follow when designing co-counseling experiences. A bibliography is included.

70-033 Miller Juliet V. SERIES 1. INNOVATIONS IN THE TRAINING AND SUPERVISION OF COUNSELORS: MICRO-COUNSELING. *Personnel Services Review:* 11p. March 1970. (Review) CG 400 005.

This, one of a series which focuses on innovations in the training and supervision of counselors, discusses micro-counseling by providing: (1) a definition of the procedure; (2) a description of models of practice; (3) a discussion of the effects of using micro-counseling; (4) suggestions for possible applications of the procedure; and (5) steps to follow when designing micro-counseling experiences. A bibliography is included.

70-034 Miller, Juliet V. INTENSIVE HIGH SCHOOL OCCUPATIONAL GUIDANCE APPROACHES FOR INITIAL WORK AND TECHNICAL SCHOOL PLACEMENT. 16p. November 1969. (Annotated Bibliography) ED 033 254 RIE March 1970. MF-$0.25; HC-$0.85.

Includes research and descriptions of innovative programs in working with the non-college bound student. Intensive occupational guidance is needed to insure successful job entry and continued vocational development. Research findings about the current occupational choice patterns of these youth and suggestions for development of the guidance services needed are included.

70-035 Miller, Juliet V. and Sloan, Nancy E. INNOVATIONS IN PERSONNEL SERVICES. 31p. March 1970. (Conference Report) CG 400 015.

Short descriptions and an existing program example for 29 innovations in the personnel services. The topics chosen as innovations represent a wide range of concerns of counselors and other pupil personnel workers in various educational levels.

70-036 Sloan, Nancy E. SERIES 3. HUMAN RESOURCES IN THE GUIDANCE PROGRAMS: FAMILY COUNSELING. *Personnel Services Review:* 13p. March 1970. (Review) CG 400 009.

Descriptions of family counseling programs in schools and other settings are presented. The program models include different group and individual counseling structures and different goals in work with families. Guides to the development of a program within the school guidance setting are included.

70-037 Sloan, Nancy E. SERIES 3. HUMAN RESOURCES IN THE GUIDANCE PROGRAMS: STUDENTS IN HELPING ROLES. *Personnel Services Review:* 10p. March 1970. (Review) CG 400 011.

Seven models of elementary, secondary, and college level programs which use students as aides to counselors and teachers are presented. The programs selected emphasize the effectiveness of student-to-student programs which focus upon academic, social or personal adjustment problems under the supervision of a trained adult. Action possibilities and suggestions for program implementation are included.

70-038 Sloan, Nancy E. ORIENTATION APPROACHES TO INCREASE STUDENT AWARENESS OF OCCUPATIONAL OPTIONS. 16p. November 1969. (Annotated Bibliography) ED 033 255 RIE March 1970. MF-$0.25; HC-$0.55.

Research and innovative programs on vocational orientation with emphasis on increasing student awareness of career possibilities at all grade levels through effective exploratory programs. Suggestions for program development are given.

70-039 Walz, Garry R. And Others. A SET OF GENERALIZATIONS AND IMPLICATIONS FOR NEW DEVELOPMENTS IN GUIDANCE AND PERSONNEL SERVICES: GUIDANCE AND STUDENT SERVICES FOR THE CULTURALLY DIFFERENT. 13p. March 1970. (Conference Report) ED 037 596 RIE August 1970. MF-$0.25; HC-$0.75.

Members of the ERIC/CAPS staff developed generalizations and implications in the following areas: (1) retraining the culturally different for work adjustment, (2) training counselors to work with the culturally different, (3) vocational guidance programs for the culturally different, (4) college student personnel programs for the culturally different and (5) community/junior college student personnel programs for the culturally different.

EARLY CHILDHOOD EDUCATION

70-040 CHILDHOOD RESOURCES INFORMATION BULLETIN. VOLUME 1, NUMBER 2. 60p. Fall 1969. (Serial Publication) ED 032 948 RIE February 1970. MF-$0.50; HC-$3.10.

A collection of research resumes and reviews of useful booklets for teachers, parents, and administrators working in early childhood education. Contains 53 articles on preschool programs, program guides, research, and activities for children.

70-041 Becker, Wesley C. And Others. REDUCING BEHAVIOR PROBLEMS: AN OPERANT CONDITIONING GUIDE FOR TEACHERS. 20p. November 1969. (Handbook) ED 034 570 RIE April 1970. MF-$0.25; HC-$1.10.

Three procedures for the systematic use of reinforcement and punishment to strengthen positive and weaken negative behaviors in the classroom. Useful to parents and teachers.

70-042 Gordon, Ira J. PARENT INVOLVEMENT IN COMPENSATORY EDUCATION. 96p. June 1970. (Review) PS 003 405.

The parental role in early compensatory education programs are described.

70-043 Jensen, Arthur. UNDERSTANDING READINESS. 17p. August 1969. (Review) ED 032 117 RIE January 1970. MF-$0.25; HC-$1.05.

Defines readiness to learn. Learning problems of disadvantaged children might be avoided if readiness and lack of readiness were discerned in the primary grades.

70-044 Katz, Lilian G. SENTIMENTALITY IN PRESCHOOL TEACHERS: SOME POSSIBLE INTERPRETATIONS. 16p. March 1970. (Review) ED 035 792 RIE May 1970. MF-$0.25; HC-$0.90.

Functions of sentimentality are interpreted. Hypothesized relationships between teacher attributes and working conditions are proposed.

70-045 Katz, Lilian G. TEACHING IN PRESCHOOLS: ROLES AND GOALS. *Children:* Volume 17, Number 2. p42-43. March-April 1970. (Review) ED 032 942 RIE February 1970. MF-$0.25; HC-$1.00.

Discusses teacher role and teacher style and defines three basic role models. Current limited knowledge suggests role models may not be as important as individual teaching styles.

70-046 White, Doris. MULTI-ETHNIC BOOKS FOR HEAD START CHILDREN: BLACK AND INTEGRATED LITERATURE. 28p. July 1969. (Annotated Bibliography) ED 031 312 RIE December 1969. MF-$0.25; HC-$2.00.

Directs adults to selected black and integrated literature for all children. The books included reflect an independent reading level of kindergarten through second grade.

EDUCATIONAL ADMINISTRATION

70-047 ERIC ABSTRACTS SERIES NUMBER ONE: COLLECTIVE NEGOTIATIONS IN EDUCATION. 35p. August 1969. (Bibliography) ED 035 978 RIE June 1970. MF-$0.25; HC-$1.85.

Resumes of 62 ERIC documents that were announced in *Research in Education* through June 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-048 ERIC ABSTRACTS SERIES NUMBER TWO: HUMAN RELATIONS IN EDUCATIONAL ADMINISTRATION. 19p. August 1969. (Bibliography) ED 035 979 RIE June 1970. MF-$0.25; HC-$1.05.

Resumes of 24 ERIC documents that were announced in *Research in Education* through June 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-049 ERIC ABSTRACTS SERIES NUMBER THREE: PUBLIC RELATIONS IN EDUCATION. 36p. October 1969. (Bibliography) ED 036 890 RIE July 1970. MF-$0.25; HC-$1.90.

Resumes of 55 ERIC documents that were announced in *Research in Education* through September 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-050 ERIC ABSTRACTS SERIES NUMBER FOUR: POLITICS AND POWER STRUCTURE: INFLUENCE ON EDUCATION. 24p. October 1969. (Bibliography) ED 036 891 RIE July 1970. MF-$0.25; HC-$1.30.

Resumes of 31 ERIC documents that were announced in *Research in Education* through September 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-051 ERIC ABSTRACTS SERIES NUMBER FIVE: PROGRAM BUDGETING AND COST ANALYSIS. 34p. January 1970. (Bibliography) ED 036 892 RIE July 1970. MF-$0.25; HC-$1.80.

Resumes of 51 ERIC documents that were announced in *Research in Education* through October 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-052 ERIC ABSTRACTS SERIES NUMBER SIX: URBAN CRISES IN EDUCATIONAL ADMINISTRATION. 38p. January 1970. (Bibliography) ED 036 893 RIE July 1970. MF-$0.25; HC-$2.00.

Resumes of [illegible] ERIC documents that were announced in *Research in Education* through November 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-053 ERIC ABSTRACTS SERIES NUMBER SEVEN: IMPACT OF RACIAL ISSUES ON EDUCATIONAL ADMINISTRATION. 32p. January 1970. (Bibliography) ED 037 824 RIE August 1970. MF-$0.25: HC-$1.70.

Resumes of 46 ERIC documents that were announced in *Research in Education* through November 1969 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-054 ERIC ABSTRACTS SERIES NUMBER EIGHT: SYSTEMS APPROACHES IN EDUCATION. 50p. March 1970. (Bibliography) EA 002 816. MF-$0.25; HC-$2.60.

Resumes of 89 ERIC documents that were announced in *Research in Education* through January 1970 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-055 Hall, John S. IMPLEMENTING SCHOOL DESEGREGATION: A BIBLIOGRAPHY. 28p. March 1970. (Bibliography) ED 037 825 RIE August 1970. MF-$0.25; HC-$1.50.

The 183 documents are listed alphabetically in four parts: (1) legal background, (2) school-community relations, (3) implementation problems and techniques and (4) evaluation. Emphasis is placed on materials related to present school desegregation policy and implementation efforts. Annotations are provided for several entries.

70-056 Hickey, Michael E. OPTIMUM SCHOOL DISTRICT SIZE. 40p. December 1969. (Review) ED 035 108 RIE May 1970. MF-$0.25; HC-$2.10.

A wide variety of research literature is analyzed on the following major aspects of local district reorganization: reasons for concern with optimum size, problems involved in determining optimum size, characteristics of inadequate districts, criteria for evaluating optimum size, trends in district reorganization, and summary of research findings on the effect of size on performance.

70-057 Jackson, Kathleen O'Brien. ANNOTATED BIBLIOGRAPHY ON SCHOOL-COMMUNITY RELATIONS. 25p. July 1969. (Annotated Bibliography) ED 030 220 RIE November 1969. MF-$0.25; HC-$1.35.

The 79 citations include books, articles, pamphlets, dissertations, and other items published between 1964 and 1969 that deal with school-community relations on the elementary and secondary education levels.

70-058 Klebe, John A. SELECTED BIBLIOGRAPHY ON EDUCATIONAL PARKS. 11p. July 1969. (Bibliography) ED 030 219 RIE November 1969. MF-$0.25; HC-$0.65.

Sixty-three books, articles, and other items published between 1964 and 1969 on the educational park concept are cited.

70-059 Piele, Philip K. and Bunting, David G. PROGRAM BUDGETING AND THE SCHOOL ADMINISTRATOR: A REVIEW OF DISSERTATIONS AND ANNOTATED BIBLIOGRAPHY. 50p. September 1969. (Review Paper) ED 035 065 RIE May 1970. MF-$0.25; HC-$2.60.

Emphasizing the practical applications of program budgeting to school administration, the review covers shortcomings of traditional budgeting practices, problems with the use of program budgeting, opposition to program budgeting, and its uses. Twenty-two dissertations comprise the annotated bibliography.

70-060 Smith, Stuart C., comp. DIRECTORY OF ORGANIZATIONS AND PERSONNEL IN EDUCATIONAL ADMINISTRATION. 90p. September 1969. (Directory) ED 033 467 RIE March 1970. MF-$0.50; HC-$4.60.

The addresses, subjects of research, available publications, and other information for 122 organizations and 125 individuals involved in educational administration research are given. Subject indexes are provided for both organizational and personnel sections.

EDUCATIONAL FACILITIES

70-061 DESIGN NEEDS OF THE PHYSICALLY HANDICAPPED. 38p. May 1970. (Selected Bibliography) EF 004 234. MF-$0.25; HC-$2.00.

The facility and equipment design needs of the physically handicapped are described and listed as reference and material sources.

70-062 THE LUMINOUS ENVIRONMENT FOR EDUCATION. 49p. May 1970. (Selected Bibliography) EF 004 235. MF-$0.25; HC-$2.55.

A compilation of references pertinent to the design of lighting for educational facilities.

70-063 SCIENCE FACILITIES. AN INTERPRETIVE BIBLIOGRAPHY. 78p. May 1970. (Annotated Bibliography) EF 004 236.

A reference list of facilities is organized into the following sections: biology, chemistry, physics, astronomy, elementary and secondary school science, and college and university science facilities. Planning the science laboratory is also included.

70-064 SYSTEMATIC METHODS IN SCHOOL PLANNING, PROGRAMING AND DESIGN. 46p. January

1970. (Selected Bibliography) EF 004 054. MF-$0.25; HC-$2.40.

The reference list is organized into the following sections: architectural design, design (general), decision making, and planning.

70-065 Hartman, Michael And Others. THE FIFTH GRADE CLASSROOM. 109p. March 1970. (State-of-the-art paper) EF 004 189. MF-$0.50; HC-$5.55.

The design of educational facilities for fifth grade instruction is covered.

70-066 Isler, Norman P. COST FACTORS IN THE PLANNING, DESIGN, FINANCING AND CONSTRUCTION OF ELEMENTARY AND SECONDARY EDUCATIONAL FACILITIES. 70p. February 1970. (Annotated Bibliography) ED 035 268. MF-$0.50; HC-$3.60.

A comprehensive and classified search through the ERIC/CEF file as of March 1970, organized into the following sections: economies in school construction, school bond elections, renovating and remodeling, construction programs in specific areas, design methodologies and construction procedures, urban school construction, and federal and state aid.

70-067 Isler, Norman P. HIGHER EDUCATION PLANNING: PART I, FACILITIES AND SPACE UTILIZATION. 46p. November 1969. (Annotated Bibliography) ED 032 743 RIE March 1970. MF-$0.25; HC-$2.40.

Procedures for making facilities and space utilization studies, uses of the computer for facility and space requirements, and case descriptions of space and facility utilization studies are the sections into which the reference list is organized.

70-068 Isler, Norman P. HIGHER EDUCATION PLANNING: PART II, CAMPUS PLANNING. 42p. November 1969. (Annotated Bibliography) ED 032 744 RIE March 1970. MF-$0.25; HC-$2.20.

The subjects covered are: guidelines and concepts in campus planning, planning the urban college, mathematical and computer aids in campus planning, the architect and college buildings, planning the physical plant, and further bibliographies in campus planning.

70-069 Isler, Norman P. HIGHER EDUCATION PLANNING: PART III, SPECIAL FACILITIES IN HIGHER EDUCATION. 40p. November 1969. (Annotated Bibliography) ED 032 745 RIE March 1970. MF-$0.25; HC-$2.10.

The references are organized into the following sections: fine arts and communications arts, science, campus traffic and miscellaneous special facilities.

70-070 Isler, Norman P. HIGHER EDUCATION PLANNING: PART IV, CASE HISTORIES IN CAMPUS PLANNING. 44p. November 1969. (Annotated Bibliography) ED 032 746 RIE March 1970. MF-$0.25; HC-$2.30.

The following subjects: master development plans, state plans for higher education, campus location, and moving the campus are covered by these references.

70-071 Isler, Norman P. HIGHER EDUCATION PLANNING: PART V, FINANCIAL ASPECTS OF HIGHER EDUCATION PLANNING. 19p. November 1969. (Annotated Bibliography) ED 032 747 RIE March 1970. MF-$0.25; HC-$1.05.

The financial planning phase of a total campus plan, legislative control, allocation formulae, the unit cost approach, construction financing for academic facilities and student housing, land acquisition, and the role of the department of physical plant are the subjects of these references.

70-072 Isler, Norman P. HIGHER EDUCATION PLANNING: PART VI, PLANNING THE JUNIOR AND COMMUNITY COLLEGE. 64p. November 1969. (Annotated Bibliography) ED 032 748 RIE March 1970. MF-$0.50; HC-$3.30.

An interpretive reference list organized into the following sections: philosophical considerations, guidelines for planning the physical plant, financial aspects of junior and community college planning, space requirements for junior and community colleges, the junior and community college site, libraries and study facilities, and individual case examples.

70-073 Isler, Norman P. OPERATING COSTS OF EDUCATIONAL FACILITIES. 58p. March 1970. (Annotated Bibliography) EF 004 153. MF-$0.50; HC-$3.00.

The results of a comprehensive search through the ERIC/CEF file as of March 1970, is organized into the following classifications: school business, maintenance and operations, insurance programs, property accounting, purchasing, and food service.

70-074 Isler, Norman P. TEMPORARY SCHOOL FACILITIES. 16p. December 1969. (Annotated Bibliography) ED 033 568. MF-$0.25; HC-$0.90.

A list of references retrieved by using selected descriptor terms relating to the topic of temporary, portable, or mobile schools and classrooms.

70-075 Smoll, Frank L. AREAS AND FACILITIES FOR PHYSICAL EDUCATION AND RECREATION. 100p. January 1970. (Annotated Bibliography) ED 035 266. MF-$0.50; HC-$5.10.

References selected from a comprehensive search through the ERIC/CEF file as of January 1970 are listed in the following sections: indoor physical education facilities, outdoor physical education areas and facilities, indoor and outdoor physical education areas and facilities, and recreation areas and facilities.

70-076 Wakefield, Howard E. and Bloomfield, Byron C. EDUCATIONAL FACILITIES LITERATURE 1968. 19p. September 1969. (Annotated Bibliography) ED 032 742 RIE March 1970. MF-$0.25; HC-$1.05.

A reprint from a chapter prepared by the authors for inclusion in the Encyclopaedia Britannica's annual *Review of Research in Education*, fall 1969.

EDUCATIONAL MEDIA AND TECHNOLOGY

70-077 Coombs, Don H. And Others. INSTRUCTIONAL MATERIALS CENTERS. 17p. December 1969. (Annotated Bibliography) ED 034 438 RIE April 1970. MF-$0.25; HC-$0.95.

To demonstrate what is available in the ERIC system on Instructional Materials Centers and to present all relevant ERIC documents, this pamphlet contains 49 annotated references published through 1969.

70-078 Edling, Jack V. INDIVIDUALIZED INSTRUCTION. CASE STUDIES. 10-panel brochure. June 1970. (Case Studies) EM 008 084. $0.25 per case study (minimum order of $1.00; $10.00 per set. Order from the Institute for Communication Research, Stanford, California 94305.)

The various approaches of 46 different elementary and secondary schools to the complex problem of individualizing instruction are presented. Each case study includes the goals, instructional techniques, new teacher skills, effects on students, costs, problems, and a summary of its program.

70-079 Farr, Richard S. KNOWLEDGE LINKERS AND THE FLOW OF EDUCATIONAL INFORMATION. 17p. September 1969. (State-of-the-art Paper) ED 032 438 RIE February 1970. MF-$0.25; HC-$0.95.

A discussion and brief analysis of the educational knowledge flow system, the adoption process, and the linker's role therein is presented.

70-080 Feldhusen, John H. and Lorton, Paul, Jr. A POSITION PAPER ON CAI RESEARCH AND DEVELOPMENT. 33p. February 1970. (State-of-the-art Paper) ED 036 204 MF-$0.25; HC-$1.75.

An outline of individualized instructional functions of computer-assisted instruction (CAI); a review of several relevant papers; recommendations for CAI systems, language, interface and program development; recommendations for CAI research; and abstracts of selected CAI papers are given.

70-081 Ingle, Henry T. DIAL ACCESS IN EDUCATION. 9p. March 1970. (Annotated Bibliography) EM 008 030. MF-$0.25; HC-$0.55.

A pamphlet designed to demonstrate what is available in the ERIC system on dial access in education, a retrieval technique which permits a large variety of learning materials to be electronically delivered. Ten annotated references published between 1962 and 1968 comprise the major portion of the pamphlet.

70-082 Morgan, Robert M. A REVIEW OF EDUCATIONAL APPLICATIONS OF THE COMPUTER, INCLUDING THOSE IN INSTRUCTION, ADMINISTRATION AND GUIDANCE. 13p. August 1969. (State-of-the-art Paper) ED 032 768 RIE February 1970. MF-$0.25; HC-$0.75.

In reviewing the educational applications of computers, Morgan concentrates on a proposed OE program, Computer Utility for Educational System (CUES), designed to provide demonstration centers of feasible and economic computer applications in instruction, administration and vocational guidance.

70-083 Paisley, William. SOURCES OF INFORMATION ON SOCIAL ISSUES: EDUCATION, EMPLOYMENT, PUBLIC HEALTH AND SAFETY, POPULATION, ETC. A BRIEF GUIDE FOR JOURNALISTS AND OTHERS. 36p. September 1969 (Source Guide) ED 032 437 RIE February 1970. MF-$0.25; HC-$1.90.

Print sources and information centers which aid in the flow of knowledge are identified.

70-084 Roberts, Karlene H. UNDERSTANDING RESEARCH: SOME THOUGHTS ON EVALUATING COMPLETED EDUCATIONAL PROJECTS. 32p. July 1969. (Review) ED 032 759 RIE February 1970. MF-$0.25; HC-$1.70.

Intended primarily for persons evaluating educational research proposals or projects for their scientific merit and application to policy formation, this paper underscores basic points to be noted in assessing a research report and then offers a more extended discussion of these points for the interested reader.

70-085 Twelker, Paul A. A BASIC REFERENCE SHELF ON SIMULATION AND TESTING. 17p. June 1970. (Annotated Bibliography) EM 008 079. MF-$0.25; HC-$0.95.

In discussing simulation and gaming, Twelker defines an ancestral list of the innovation (simulator trainers, games, and role-playing), and then identifies and reports on three types of techniques which are considered representative: Media Ascendant Simulation, Interpersonal Ascendant Simulation, and Non-Simulation Games. The rest of the document consists of relevant annotated references.

70-086 Wade, Serena E. THE EFFECT OF DIFFERENT TELEVISION UTILIZATION PROCEDURES ON STUDENT LEARNING. 42p. October 1969. (Review) ED 031 958 RIE January 1970. MF-$0.25; HC-$2.20.

The learning of science from television lessons by fifth grade students when their teachers were randomly assigned to one of three television utilization (preparation and follow-up) methods was investigated. Results suggested that a "Socratic utilization method" (questions and answers with immediate feedback) provided the best learning "insurance" for elementary science.

70-087 Zinn, Karl L. and McClintock, Susan. A GUIDE TO THE LITERATURE ON INTERACTIVE USE OF COMPUTERS FOR INSTRUCTION. SECOND EDITION. 33p. January 1970. (Annotated Bibliography) ED 036 202. MF-$0.25; HC-$1.75.

This paper defines the domain of interactive uses of computers for instruction, characterizes the variety of current activities, lists current books and articles, and identifies likely sources of future publications.

EXCEPTIONAL CHILDREN

70-088 BEHAVIOR MODIFICATION AND RELATED PROCEDURES. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 7p. November 1969. (Abstract Bibliography) EC 004 922.

70-089 BIBLIOGRAPHIES ON EXCEPTIONAL CHILDREN. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 6p. February 1970. (Abstract Bibliography).

70-090 COUNSELING AND PSYCHOTHERAPY WITH THE HANDICAPPED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 12p. November 1969. (Abstract Bibliography) EC 004 966.

70-091 EDUCATIONAL DIAGNOSIS AND DIAGNOSTIC TEACHING. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 7p. November 1969. (Abstract Bibliography) EC 004 967.

70-092 EMOTIONALLY DISTURBED--RESEARCH REPORTS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 17p. September 1969. (Abstract Bibliography) EC 004 920.

70-093 THE GIFTED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 25p. November 1969. (Abstract Bibliography) EC 004 968.

70-094 GROUPING FOR INSTRUCTION. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 4p. November 1969. (Abstract Bibliography) EC 004 965.

70-095 HEARING IMPAIRED--RESEARCH REPORTS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 37p. February 1970. (Abstract Bibliography).

70-096 LEARNING DISABILITIES: RESEARCH STUDIES AND PROGRAM CONSIDERATIONS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 29p. September 1969. (Abstract Bibliography) EC 004 918.

70-097 MENTAL RETARDATION--GENERAL REFERENCES. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 5p. September 1969. (Abstract Bibliography) EC 004 915.

70-098 THE MULTIPLY HANDICAPPED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 17p. February 1970. (Abstract Bibliography).

70-099 PHYSICAL EDUCATION AND RECREATION. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 12p. February 1970. (Abstract Bibliography).

70-100 PHYSICAL AND HEALTH HANDICAPS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 20p. February 1970. (Abstract Bibliography).

70-101 PREPARATION OF SPECIAL EDUCATION PERSONNEL AND INSERVICE TRAINING. EXCEPTIONAL CHILDREN BIBLIOGRAPHY. May 1970. (Abstract Bibliography).

70-102 PRESCHOOL AND EARLY CHILDHOOD EDUCATION. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 28p. November 1969. (Abstract Bibliography) EC 004 916.

70-103 PROGRAMS FOR THE EMOTIONALLY DISTURBED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 10p. September 1969. (Abstract Bibliography) EC 004 919. HC-$0.60.

70-104 PROGRAMS FOR THE HEARING IMPAIRED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 55p. February 1970. (Abstract Bibliography).

70-105 PROGRAMS FOR THE MENTALLY RETARDED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 6p. September 1969. (Abstract Bibliography) EC 004 921. HC-$0.40.

70-106 PROGRAMS FOR THE VISUALLY HANDICAPPED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 17p. February 1970. (Abstract Bibliography).

70-107 READING METHODS AND PROBLEMS (HANDICAPPED CHILDREN). EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 12p. November 1969. (Abstract Bibliography) EC 004 913.

70-108 RESEARCH REVIEWS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 19p. February 1970. (Abstract Bibliography).

70-109 SERVICES AND FACILITIES FOR EXCEPTIONAL CHILDREN--A LISTING OF DIRECTORIES. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 6p. September 1969. (Abstract Bibliography) EC 004 914.

70-110 SPEECH HANDICAPPED. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. February 1970. (Abstract Bibliography).

70-111 TEACHING METHODS FOR USE WITH CHILDREN WITH LEARNING DISABILITIES. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. September 1969. (Abstract Bibliography).

70-112 VISUALLY HANDICAPPED--RESEARCH REPORTS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 21p. February 1970. (Abstract Bibliography).

70-113 VOCATIONAL EDUCATION AND WORK STUDY PROGRAMS. EXCEPTIONAL CHILDREN BIBLIOGRAPHY SERIES. 18p. September 1969. (Abstract Bibliography) EC 004 917.

The 26 bibliographies in this series were generated from the computer file. Information for obtaining EDRS documents is included when appropriate. The author and subject indexes, when included, are generated by the Basic Indexing Retrieval System (BIRS) program.

70-114 Bloomer, Richard And Others. AN EXPERIMENTAL READING TYPING PROGRAM. *Teaching Exceptional Children:* Volume 1, Number 4. p112-116. Summer 1969. (Review) EC 500 548.

A reading-typing program was used with a group of disadvantaged students and their progress compared to a disadvantaged group taught by traditional basal reading method and a middle class group taught in the traditional way. The experimental group was equal to or superior to the middle class group on all but one comparison.

70-115 Brown, Jerome and Arkebauer, Herbert J. USING THE LANGUAGE MASTER WITH HEARING IMPAIRED CHILDREN. *Teaching Exceptional Children:* Volume 2, Number 2. p81-85. Winter 1970. (Review) EC 500 937.

To determine whether the Language Master could help develop the hearing impaired child's vocabulary and add flexibility to the teacher's schedule, six children (aged 5 to 7 years) were taught 16 words in the traditional way and 16 words with the Language Master. The results indicated no difference in vocabulary growth.

70-116 Brown, Lou And Others. USING BEHAVIOR MODIFICATION PRINCIPLES TO TEACH SIGHT VOCABULARY. *Teaching Exceptional Children:* Volume 2, Number 3. p120-128, Spring 1970. (Review).

Demonstration programs using students with IQ ranges from 36 to 49 and teaching a basic sight vocabulary by use of behavior modification techniques are described. A comparison is made between an individual program and a group process with the group training being superior; teaching procedures are outlined; and evaluation techniques discussed.

70-117 Brown, Virginia L. TEACHER-PUPIL ANALYSIS OF THE LEARNING PROCESS: LEARNING HOW BY KNOWING WHY. *Teaching Exceptional Children:* Volume 2, Number 4. p106-111. Summer 1969. (Review). EC 500 547.

A method of involving the handicapped student in the process of analyzing and formulating his educational process is described. The stages discussed are precise teacher identification of educational objectives, student analysis of the lesson on activity objectives, discussion of the evaluation process, presentation of alternate learning processes, and instruction concerning self evaluation.

70-118 Cartwright, Carol A. and Cartwright, G.Phillip. DETERMINING THE MOTIVATIONAL SYSTEMS OF INDIVIDUAL CHILDREN. *Teaching Exceptional Children:* Volume 2, Number 3. p143-149. Spring 1970. (Review).

Discussed are the role of rewards in learning and a method for the determination of individual rewards preferences. The steps of the inventory described are choosing appropriate rewards, preparing testing cards and scoring sheets, and the administration of the inventory. Ideas for using the inventory results in the classroom are presented.

70-119 Cline, Kathy. A SYMBOL COOKBOOK PROGRAM. *Teaching Exceptional Children:* Volume 1, Number 5. p101-105. Summer 1968. (Review) EC 500 546.

The article describes a curriculum for teaching cooking to trainable mentally handicapped girls who cannot read by use of a symbol cookbook program. Processes involved are food identification, reading symbols, using a stove, measuring, combining steps, and developing confidence. Related skills taught are shopping, manners, grooming, traveling, sewing, handling money, and self-motivation.

70-120 Edlund, Calvin V. REWARDS AT HOME TO PROMOTE DESIRABLE SCHOOL BEHAVIOR. *Teaching Exceptional Children:* Volume 1, Number 4. p121-127. Summer 1969. (Review) EC 500 549.

A program for using home reinforcement items at school is described. Items such as pets or gifts (baseball glove, guitar) were used in a reward system for desirable school behavior controlled by a parent checklist of behavior. Checklist items, advantages and problems involved, and program implementation and success are discussed.

70-121 Grosenick, Judith K. ASSESSING THE REINTEGRATION OF EXCEPTIONAL CHILDREN INTO REGULAR CLASSES. *Teaching Exceptional Children:* Volume 2, Number 3. p113-119. Spring 1970. (Review).

The importance of returning emotionally disturbed children to a regular class is discussed and a procedure for assessing readiness for reintegration and the success of reintegration described. The procedure can be utilized to record and evaluate any type of behavior demonstrated by any group of children.

70-122 Hofmeister, Alan M. SELECTING AND MODIFYING PROGRAMMED MATERIALS. *Teaching Exceptional Children:* Volume 2, Number 1. p38-42. Fall 1969. (Review) EC 500 718.

The criteria for selecting programmed materials, including program objectives, placement tests, vocabulary level, program length, program reusability, supporting material, methods used, and possibility of modification are discussed. Techniques for program modification described are expanding placement tests, individual recording of scores, overlearning through progressive testing, the use of verbalization, and modifying equipment.

70-123 Jordan, June, ed. EXCEPTIONAL CHILD EDUCATION ABSTRACTS: Volume 1, Number 2. 135p, August 1969. (Bibliography) 400 abstracts, 100 references.

70-124 Jordan, June, ed. EXCEPTIONAL CHILD EDUCATION ABSTRACTS: Volume 1, Number 3. 141p. November 1969. (Bibliography) 400 abstracts, 200 references.

70-125 Jordan, June, ed. EXCEPTIONAL CHILD EDUCATION ABSTRACTS: Volume 1, Number 4-A. 138p. February 1970. (Bibliography) 400 abstracts, 200 references.

70-126 Jordan, June, ed. EXCEPTIONAL CHILD EDUCATION ABSTRACTS: Volume 1, Number 4-B. 129p. February 1970. (Bibliography) 350 abstracts, 150 references.

70-127 Jordan, June, ed. EXCEPTIONAL CHILD EDUCATION ABSTRACTS: Volume 2, Number 1. 157p. April 1970. (Bibliography) 500 abstracts, 104 references.

The ECEA Journal is designed to serve administrators, teachers, researchers, teacher educators, students, and others seeking information about gifted and handicapped children. Each issue contains cumulative author, subject and classification indexes.

70-128 Junkala, John. TEACHER EVALUATION OF INSTRUCTIONAL MATERIALS. *Teaching Exceptional Children:* Volume 2, Number 2. p73-76. Winter 1970. (Review) EC 500 936.

The classroom teacher is urged to make his own evaluation of instructional materials. Suggestions include determining the context for material usage, identifying the publisher's rationale, analyzing the information and organization of the materials, examining the procedural suggestions, and considering any additional factors affecting the material usage.

70-129 Kokaska, Charles J. And Others. VOCATIONAL PREPARATION AT THE ELEMENTARY LEVEL. *Teaching Exceptional Children:* Volume 2, Number 2. p63-66. Winter 1970. (Review) EC 500 934.

The article suggests vocational objectives and classroom activities for laying a foundation of vocational education at the elementary grade level. Objectives deal with the dignity of work and the positive self concept of the child. Activities include determining student attitudes, developing curiosity, allotting classroom tasks, indicating job concepts, and recording student achievement.

70-130 LaCoste, Mary B. "EEE DIN DIT MA TUN WEED": A DISCUSSION OF TEACHING READING TO YOUNG EXCEPTIONAL CHILdren. *Teaching Exceptional Children:* Volume 2, Number 3. p138-142. Spring 1970. (Review).

Reading instruction techniques of questionable value for use with educable mentally handicapped students include: reading groups, readiness workbooks, the experience chart approach, high-interest low-vocabulary readers, and early introduction to phonics. Suggestions are provided for approaching reading instruction and the creation of a conducive atmosphere for language development.

70-131 McCune, Judson W. INCLUDING DRIVER EDUCATION IN THE SPECIAL CLASS CURRICULUM. *Teaching Exceptional Children:* Volume 2, Number 3. p106-112. Spring 1970. (Review).

The need for driver education training in the educable mentally handicapped curriculum prefaces a description of such a program. Details included are the necessary knowledge and skills taught, the evaluation process, and various methods for remediating discovered weaknesses.

70-132 McGee, Donald I. THE BENEFITS OF EDUCATING DEAF CHILDREN WITH HEARING CHILDREN. *Teaching Exceptional Children:* Volume 2, Number 3. p133-137. Spring 1970. (Review).

There is a need for regular class placement of hearing impaired children because it is the only available community placement, it enables realistic evaluation of permanent placement, and offers the best educational setting. Also discussed are the special problems of the deaf and some procedures for alleviating the deaf child's problems and needs.

70-133 McIntyre, Robert B. and Engel, Rose C. SOME NEGLECTED CRITERIA IN THE SELECTION OF MATERIALS FOR MENTALLY RETARDED PUPILS. *Teaching Exceptional Children:* Volume 2, Number 1. p13-18. Fall 1969. (Review) EC 500 716.

Suggestions for meeting the special needs and problems in selecting instructional materials for mentally handicapped students are: to keep the materials as concrete, as aesthetically pleasing, and as related to the everyday world as possible.

70-134 Ryan, Susanne F. DIAGNOSIS AND REMEDIATION OF VISUAL-FORM DISCRIMINATION SKILLS. *Teaching Exceptional Children:* Volume 2, Number 2. p86-92. Winter 1970. (Review).

Described is an informal, teacher made measure of visual-form discrimination skills. Explanation is provided for the construction of the test including its eight subtests, the administration of the test, and for remediation activities such as the discrimination of objects, pictures, letters, words, and environmental objects.

70-135 Sandy, Don G. and Rotberg, Jay M. MATERIALS FOR STIMULATING THE SPEECH AND LANGUAGE OF HANDICAPPED CHILDREN. *Teaching Exceptional Children:* Volume 2, Number 1. p33-37. Fall 1969. (Review) EC 500 717.

The need for eliciting proper speech and language responses such as imitating, naming, sequencing, classifying, and verbal problem solving is described. The following possible materials for eliciting these responses are discussed: clothing, flannel, body parts, rubber balls, magazines, clay, sandpaper, paper, food, storing and empty containers.

70-136 Sennet, Edith L. A NEGATIVE LEARNING FORCE BECOMES A POSITIVE TEACHING TOOL. *Teaching Exceptional Children:* Volume 2, Number 2. p54-62. Winter 1970. EC 500 933.

A case history of an 8-year-old visually handicapped boy with negative learning attitudes includes a discussion of the problems of diagnosis and planning, the boy's background, the learning encounter, planning techniques, teaching techniques, the boy's educational growth, and the importance of the teacher-pupil relationship.

70-137 Smith, Robert M. COLLECTING DIAGNOSTIC DATA IN THE CLASSROOM. *Teaching Exceptional Children:* Volume 1, Number 4. p128-133. Summer 1969. (Review) EC 500 550.

The steps described are screening for obvious gross disorders, a determination of learning problems, a more thorough investigation of discovered problems, identification of possible causes, and a plan developed for remediation. Types of data used to determine disabilities are also considered.

70-138 Spellman, Charles R. And Others. DOMESTIC WORK TRAINING OF ADOLESCENT EDUCABLE MENTALLY RETARDED GIRLS. *Teaching Exceptional Children:* Volume 2, Number 2. p67-72. Winter 1970. (Review) EC 500 935.

The program described uses of housewives as trainers in their own homes. Steps involved in organizing the program were finding interested housewives, explaining the program, balancing the types of training, limiting time demands, and eventually operating the program. Problems and methods of evaluation are discussed.

70-139 Vergason, Glenn A. And Others. PLAYING CARDS AS INSTRUCTIONAL AIDS. *Teaching Exceptional Children:* Volume 2, Number 2. p93-94. Winter 1970. (Review) EC 500 939.

Playing cards are used as aids for the development of physical abilities, coordination, memory, and perception skills. Cards can also be used to teach arithmetic concepts and in activities such as relay games, slapjack, concentration, and spoons.

70-140 Werlin, Kathryn. CLASSROOM DYNAMICS: PRESCHOOL COMMUNICATION AND STRUCTURE. *Teaching Exceptional Children:* Volume 2, Number 1. p2-12. Fall 1969. (Review) EC 500 715.

Basic factors in dealing with classroom dynamics are: room arrangement, class routines, and the organization of staff responsibilities. Room arrangement involves structure, housekeeping, staff coordination, and activity areas; routines include demonstrations, scheduling, and communication of needs, whereabouts, and understanding; and staff responsibilities require a member to be free to handle the unexpected.

HIGHER EDUCATION

70-141 Arnstein, George E. UNIVERSITY AS CORPORATION: TOWARD A NEW IDENTITY. *College & University Business:* Volume 28, Number 3. 8p. March 1970. (State-of-the-art Paper).

Discusses the impact of the university's corporate organization on and its responsibility toward the urban community.

70-142 Finger, Frank W. PROFESSIONAL PROBLEMS: PREPARATION FOR A CAREER IN COLLEGE TEACHING. 9p. April 1970. (Review) ED 038 557 MF-$0.25; HC-$0.55.

A seminar offered to graduate students planning to become college teachers. A lengthy bibliography of works on higher education, of special interest to the new teacher, is appended.

70-143 Hirsh, Carol and Pulver, Margaret, comps. HIGHER EDUCATION: A BIBLIOGRAPHY OF DOCUMENTS SELECTED FROM JANUARY-JUNE RESEARCH IN EDUCATION, 1969. GENERAL BIBLIOGRAPHY NO.2. 106p. 1969. (Bibliography) ED 032 439 RIE February 1970. MF-$0.50; HC-$5.40.

Includes all documents on higher education, and not merely the input of the Clearinghouse on Higher Education. A descriptor index is included.

70-144 Monlouis, Wilma D. HIGHER EDUCATION OPPORTUNITIES FOR HIGH-RISK DISADVANTAGED STUDENTS: A REVIEW OF THE LITERATURE. 4p. February 1970. (Review Paper) ED 035 787 RIE June 1970. MF-$0.25; HC-$0.30.

Compensatory or remedial programs at the university level for the academically disadvantaged student. Pre-college, undergraduate and graduate programs are included.

70-145 Richards, James M., Jr. ASSESSING STUDENT PERFORMANCE IN COLLEGE. 15p. May 1970. (State-of-the-art Paper).

A general and technical review of recent research on the evaluation of college student performance. Methods of obtaining academic credit by examination, criterion-referenced tests and measurements of extracurricular achievement are covered.

70-146 Shoenfeld, Janet D. and Robinson, Lora H. STUDENT PARTICIPATION IN ACADEMIC GOVERNANCE. 28p. February 1970. (Review Paper) ED 035 786 RIE June 1970. MF-$0.25; HC-$1.50.

An annotated bibliography of the literature and compendium of recent changes in college and university governance.

70-147 Shulman, Carol. COMPENDIUM SERIES OF CURRENT RESEARCH, PROGRAMS AND PROPOSALS. NUMBER 1: GOVERNANCE. 26p. May 1970. (Compendium).

An analysis of trends in current research on governance followed by an annotated list of studies and programs in progress.

70-148 Sumner, David E. URBAN UNIVERSITIES AND THE CITY. 10p. April 1970. (Review Paper). ED 038 556 MF-$0.25; HC-$0.60.

A brief review and annotated bibliography of literature describing some urban programs and services offered by colleges and universities.

JUNIOR COLLEGES

70-149 Boggs, John R. A DEVELOPMENTAL RESEARCH PLAN FOR JUNIOR COLLEGE REMEDIAL EDUCATION; NUMBER 3: CONCEPT FORMATION. 18p. August 1969. (Review Paper) ED 032 072 RIE January 1970. MF-$0.25; HC-$1.00.

70-150 Boyer, Marcia. TEACHER EVALUATION: TOWARD IMPROVING INSTRUCTION. *Junior College Research Review:* Volume 4, Number 5. 4p. January 1970. (Review Paper) ED 035 408 RIE May 1970. MF-$0.25; HC-$0.30.

Problems associated with the evaluation of junior college instructors include: determining criteria for judging teaching effectiveness, selecting suitable evaluators, and administering effective evaluation methods. Three approaches to instructor evaluation are considered in the documents reviewed: student evaluation by opinionnaire, instructor self-appraisal, and team evaluation involving both instructor and administrator.

70-151 Brawer, Florence B. THE PERSON: A CONCEPTUAL SYNTHESIS. 63p. March 1970. (Review Paper) JC 700 086 MF-$0.50; HC-$3.25.

A preliminary report on an approach to individual assessment which presents a model depicting various intrapersonal and extrapersonal aspects of human personality. Counselors may use this model as a basis for presenting case histories and as a guideline in developing questionnaires.

70-152 Capper, Michael R. JUNIOR COLLEGE STUDENTS ON ACADEMIC PROBATION. *Junior College Research Review:* Volume 4, Number 4. 4p. December 1969. (Review Paper) ED 035 391 RIE May 1970. MF-$0.25; HC-$0.30.

For many junior college students academic probation may mean the closing of yet another door to educational opportunity. The reasons students are assigned probationary status, the restrictions thereby placed on them, their characteristics, their subsequent performance, and some attempts to help them succeed are topics discussed in this review.

70-153 Cohen, Arthur M. and Brawer, Florence B. STUDENT CHARACTERISTICS: PERSONALITY AND DROPOUT PROPENSITY. 69p. March 1970. (Review) JC 700 099. MF-$0.50; HC-$3.55.

Following a review of selected research on students in higher education, two studies conducted with 259 freshmen entering a junior college are presented. A personality study measured dropout/persistence potential and a demographic study measured relative heterogeneity/homogeneity. The subjects, instruments, methods of investigation, results, and implications are discussed.

70-154 Collins, Charles C. FINANCING HIGHER EDUCATION: A PROPOSAL. 29p. February 1970. (Review Paper) JC 700 061 MF-$0.25; HC-$1.55.

A proposal for a revolving federal fund to cover operating costs for institutions of higher education which would provide loans to students to cover their college expenses. Over a ten-year period these loans would be paid back by the graduates and their employers.

70-155 Gaddy, Dale. FACULTY RECRUITMENT. *Junior College Research Review:* Volume 4, Number 1. 4p. September 1969. (Review Paper) ED 032 864 RIE February 1970. MF-$0.25; HC-$0.30.

The need for qualified faculty members is a problem of increasing importance for two-year colleges. Reports related to specific areas of concern such as determination of future needs, recruitment principles and policies, sources of qualified teachers, and selection of personnel are reviewed.

70-156 Gaddy, Dale And Others. STUDENT ACTIVISM IN JUNIOR COLLEGES. *Junior College Research Review:* Volume 4, Number 9. 16p. May 1970. (Review Paper) JC 700 120 MF-$0.25; HC-$0.90.

Several aspects of student activism are examined in this review. Following two articles dealing with research done in this area, student activism is discussed from the perspectives of an attorney and a policeman. The concluding two articles focus on black protest and faculty reaction to black student demands.

70-157 Hall, Budd L. THE JUNIOR COLLEGE IN INTERNATIONAL PERSPECTIVE. 42p. January 1970. (Review Paper) ED 035 417 RIE May 1970. MF-$0.25; HC-$2.20.

The community college idea is spreading rapidly in industrialized and developing nations. The incorporation of the junior college concept in the institutions of eight nations is examined. Conditions that promote, as well as those that may deter, the establishment and development of junior college movements abroad are discussed.

70-158 Hatfield, Thomas M. and Herrscher, Barton R. EVENING SERVICES OF JUNIOR COLLEGES. *Junior College Research Review:* Volume 4, Number 7. 4p. March 1970. (Review Paper) JC 700 082. MF-$0.25; HC-$0.30.

Materials pertaining to junior college evening services (excluding community services) are reviewed with major focus on the problems of providing adequate student personnel and instructional services. Suggestions for alleviating these problems as well as areas of needed research are presented.

70-159 Herrscher, Barton R. and Hatfield, Thomas M. COLLEGE-COMMUNITY RELATIONS. *Junior College Research Review:* Volume 4, Number 3. 4p. November 1969. (Review Paper) ED 032 888 RIE February 1970. MF-$0.25; HC-$0.30.

Increasing emphasis is being placed on the "community" aspect of community colleges. The documents included in this review cover a variety of topics bearing on college-community relations: programs designed to serve community needs, public relations, the college image, advisory committees, and community opinion.

70-160 Hurlburt, Allan S. STATE MASTER PLANS FOR COMMUNITY COLLEGES. 55p. October 1969. (Review). ED 032 887 RIE February 1970. MF-$0.25; HC-$2.85.

A monograph based on the analysis of comprehensive master plans from 19 states and a review of relevant literature. A rationale for state plans and a description of the methods of developing, presenting, and implementing these plans are followed by suggested areas of needed research.

70-161 Knoell, Dorothy M. And Others. RESEARCHERS VIEW JUNIOR COLLEGE STUDENTS. *Junior College Research Review:* Volume 4, Number 2. 16p. October 1969. (Review Paper) ED 032 872 RIE February 1970. MF-$0.25; HC-$0.90.

Topics discussed include: the heterogeneity of community college clienteles, problems of student assessment, value differences between two-year and four-year students, academic and emotional transfer shock, and need for a systematic evaluation of the junior college and its programs.

70-162 Lindman, Erick L. PAYING FOR JUNIOR COLLEGES. *Junior College Research Review:* Volume 4, Number 8. 4p. April 1970. (Review Paper) JC 700 091 MF-$0.25; HC-$0.30.

With increasing junior college enrollments anticipated in the 1970's, recent literature relating to junior college finance emphasizes efficient use of existing resources as well as the search for new funds. Documents included in this review offer various methods of financing broad and comprehensive junior college programs.

70-163 O'Connor, Edward F., Jr. and Justiz, Thomas B. IDENTIFYING THE EFFECTIVE INSTRUCTOR. 34p. January 1970. (Review Paper) ED 035 416 RIE May 1970. MF-$0.25; HC-$1.80.

By holding the teacher's subject knowledge and his students' ability levels constant, teaching ability may be measured by testing the students for the skills specified by the instructor's educational objectives. The procedure for conducting such study is presented in detail.

70-164 Quimby, Edgar A. And Others. CURRICULUM. *Junior College Research Review:* Volume 4, Number 6. 16p. February 1970. (Review Paper) ED 035 415 RIE May 1970. MF-$0.25; HC-$0.90.

The five curriculum-related topics reviewed are: the need for rational curriculum planning, the effect of composite instructional procedures, a consideration of black studies programs, a staffing rationale for curriculum development, and intercampus curriculum coordination in an urban community college system.

70-165 Sykes, Abel B., Jr. JUNIOR COLLEGE BOARDS OF TRUSTEES. *Junior College Research Review:* Volume 4, Number 10. 4p. June 1970. (Review Paper) JC 700 136. MF-$0.25; HC-$0.30.

The clear definition of roles and relationships between boards of trustees and chief administrative officers serves to facilitate the effective administration of junior colleges. Documents in this review present various ways that these roles and relationships have been delineated.

LIBRARY AND INFORMATION SCIENCES

70-166 LIBRARY SURVEYS AND DEVELOPMENT PLANS, AN ANNOTATED BIBLIOGRAPHY. BIBLIOGRAPHY SERIES, NUMBER 3. 44p. September 1969. (Annotated Bibliography) ED 031 609 RIE January 1970. MF-$0.25; HC-$2.25.

References to 104 library surveys and development plans at the state or national level published since 1965 are based on the ERIC/CLIS collection. Arrangement is by state, with national surveys listed first. Availability information is given whenever possible.

70-167 Blasingame, Ralph and Summers, F. William. STATE AND REGIONAL LIBRARY STUDIES. REVIEW SERIES, NUMBER 3. June 1970. (Review Paper) LI 001 866.

A sample of 15 of the 89 state and regional library studies conducted during the period 1965-1969 was examined to identify current methodology and procedures. Although limited methodology and casual data gathering characterize most of the studies, the increasing investment in planning revealed by the studies is an encouraging development.

70-168 Boelke, Joanne, comp. LIBRARY SERVICE TO VISUALLY AND PHYSICALLY HANDICAPPED, A BIBLIOGRAPHY. BIBLIOGRAPHY SERIES, NUMBER 4. 18p. October 1969. (Annotated Bibliography) ED 031 615 RIE January 1970. MF-$0.25; HC-$1.00.

Library services available to the blind, partially sighted, and physically handicapped who are unable to use conventional printed materials are noted. Coverage is limited to activities in the U.S., with 119 citations referring to journal articles, reports, books, bibliographies, theses, and pamphlets published from 1964 to Summer, 1969.

70-169 Bourne, Charles P. And Others. ABSTRACTING AND INDEXING RATES AND COSTS: A LITERATURE REVIEW. REVIEW SERIES, NUMBER 5. May 1970. (State-of-the-art Paper) LI 001 868.

Post-1950 English-language published reports of abstracting and indexing rates and costs located relevant information for 24 abstract journals and three citation services, 18 abstracting cost figures and 41 indexing cost figures. Unit costs were cited or computed and plotted to detect possible patterns or trends.

70-170 Bregzis, Ritvars. MACHINE READABLE BIBLIOGRAPHIC RECORDS: CRITERIA AND CREATION. REVIEW SERIES, NUMBER 4. 27p. May 1970. (State-of-the-art Paper) LI 001 867.

Library automation activity of recent years relating to machine readable bibliographic records is discussed under the following headings: Centrality of the Bibliographic Record, The Objective of the Bibliographic Record File, The Elemental Factors, Functional Criteria of the Machine Readable Record File, Current Practice of Bibliographic Record Generation, Operational Methodology and Cost.

70-171 Knapp, Patricia B. THE ACADEMIC LIBRARY RESPONSE TO NEW DIRECTIONS IN UNDERGRADUATE EDUCATION. REVIEW SERIES, NUMBER 2. 23p. April 1970 (Review Paper) LI 001 865. MF-$0.25; HC-$1.25.

Following a discussion of the major trends in higher education which provide the context for changes in undergraduate education, the response of academic libraries is considered, with particular attention given to undergraduate libraries, community college libraries, learning resources centers, the independent study movement, the library-college movement and library programs in experimental colleges.

70-172 Mason, Charlene, comp. BIBLIOGRAPHY OF LIBRARY AUTOMATION. ERIC/CLIS BIBLIOGRAPHY SERIES, NUMBER 2. *ALA Bulletin:* Volume 63, Number 8. p1117-1134. September 1969. (Bibliography) LI 001 778.

This updating of the bibliography by Lois C. McCune and Stephen R. Salmon in the *ALA Bulletin* of June 1967 is limited primarily to 1967 and 1968 publications. It covers journal literature, trade publications, and other documents on the automation of traditional library functions, with a few references on library networks and facsimile transmission.

LINGUISTICS

70-173 Bauman, Frederick W., Jr., comp. 1968 INDEX TO ERIC DOCUMENTS IN LINGUISTICS AND UNCOMMONLY TAUGHT LANGUAGES AND SELECTED BIBLIOGRAPHY OF RELATED TITLES. 114p. July 1969. (Bibliography) ED 029 303 RIE October 1969. MF-$0.50; HC-$5.80.

The 1045 titles of books, articles, bibliographies, and unpublished papers are divided into the following sections: bibliographies, collections, general linguistics, psycholingusitics, language learning and teaching, sociolinguistics, and uncommonly taught languages. Entries on English for speakers of other languages and English as a standard dialect are also given. An author index is appended.

70-174 Cardenas, Daniel N. DOMINANT SPANISH DIALECTS SPOKEN IN THE UNITED STATES. 49p. June 1970. (Review) AL 002 391. MF-$0.25; HC-$2.55.

Following the ethnic distribution of Spanish-speaking people in the United States is a description of standard Spanish and the four major varieties of Spanish found in the United States: Mexican, Puerto Rican, Cuban and Peninsular. Appended is a bibliography.

70-175 Hanna, Sami A. and Gries, Naguib. DIALECT VARIATIONS AND THE TEACHING OF ARABIC AS A LIVING LANGUAGE. *Bulletin of the ERIC Clearinghouse for Linguistics:* Number 14. p3-7. January-March 1970. (Review) ED 034 179 RIE April 1970. MF-$0.25; HC-$0.70.

The dialect form learned by students of Arabic should be an educated form of speech of "significant applicability," therefore, Cultivated Cairene Arabic is an especially useful dialect with which to start learning Arabic. A teaching method moving from Cultivate Spoken to the Literary is suggested.

70-176 Heffernan-Cabrera, Patricia. A HANDBOOK FOR TEACHERS OF ENGLISH TO NON-ENGLISH SPEAKING ADULTS. 64p. October 1969. (Handbook) ED 033 335 RIE March 1970. MF-$0.50; HC-$3.55.

The discussion of second language learning includes variation in teachers and students of English as a second language; TESOL methodology and materials; and evaluation of students, materials, and teachers. The author presents detailed suggestions for the classroom teacher. A selected bibliography of TESOL materials is appended.

70-177 Imhoof, Maurice. TESOL DEGREE PROGRAMS FOR EXPERIENCED ENGLISH TEACHERS FROM ABROAD. *Bulletin of the ERIC Clearinghouse for Linguistics:* Number 15. p1-5. May 1970. (Review). AL 002 392. MF-$0.25; HC-$0.75.

Identifies problem areas concerning experienced foreign teachers of English who come to the United States to improve their English teaching abilities, and discusses problems presented by the teacher-training programs themselves.

70-178 Moore, Mary Jo, comp. A PRELIMINARY BIBLIOGRAPHY OF AMERICAN ENGLISH DIALECTS. 61p. November 1969. (Bibliography) ED 033 327 RIE March 1970. MF-$0.50; HC-$3.15.

The 804 entries are divided into four categories: regional dialects, social dialects, Negro English of the continental United States and of the Caribbean, and applications to teaching and learning.

70-179 Ortego, Philip D. THE LINGUISTIC IMPERATIVE IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES. 45p. May 1970. (Review Paper) AL 002 357. MF-$0.25; HC-$2.35.

Covers: (1) linguistic perspectives, (2) methods of Teaching English to Speakers of Other Languages (TESOL), (3) preliminary considerations, (4) philosophic and pragmatic considerations, (5) cross-cultural correlations of linguistic behavior, (6) the TESOL teacher and (7) a linguistic model. A bibliography is appended.

70-180 Saville, Muriel R. and Troike, Rudolph C. A HANDBOOK OF BILINGUAL EDUCATION. 65p. January 1970. (Handbook) ED 035 877 RIE June 1970. MF-$0.50; HC-$3.55.

A historical view of bilingualism which: considers the linguistic, psycholinguistic, and cultural factors involved in bilingual education; outlines suggestions for setting up bilingual programs; briefly contrasts Spanish and Navaho phonology and grammar with English; discusses pedagogical considerations; and stresses the importance of evaluation.

70-181 Stokoe, William C., Jr. THE STUDY OF SIGN LANGUAGE. 41p. April 1970. (State-of-the-art Paper) AL 002 346. MF-$0.25; HC-$2.15.

Examines the ways language may be presented to the eye, points out the contrasts and parallels between speech and sign language, considers the relation of sign language to the education of the deaf, and looks at steps that concerned teachers can take to apply research of their own.

70-182 Wardhaugh, Ronald. TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES: THE STATE OF THE ART. 26p. January 1969. (State-of-the-art Paper) ED 030 119 RIE November 1969. MF-$0.25; HC-$1.40.

Contains sections on the background of Teaching English to Speakers of Other Languages; linguistics and language teaching; psychology and language teaching; language teaching pedagogy; linguistics, psychology, and pedagogy; teacher training; and teaching English as a second dialect. Each section has references to material of particular interest to the classroom teacher.

70-183 Zisa, Charles A. AMERICAN INDIAN LANGUAGES: CLASSIFICATIONS AND LIST. 80p. April 1970. (Language Listing) AL 002 358. MF-$0.25; HC-$4.10.

A list of the indigenous languages of North and South America, with the exception of the Eskimo-Aleut languages, the European-based Creoles, and languages which represent Post-Columbian intrusions. Section I consists of genetic classification of the languages included (948); Section II is an alphabetic list of all languages included with variant spellings and alternate names.

READING

70-184 TRENDS AND PRACTICES IN SECONDARY READING: A COMPANION BIBLIOGRAPHY TO A. STERL ARTLEY'S MONOGRAPH. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 25. 224p. March 1970. (Annotated Bibliography) ED 036 669 RIE July 1970. MF-$1.00; HC-$11.30.

Part I cites and abstracts all the studies (from 1950-1966) reported in the Artley monograph, in sub-sections under seven major divisions. Part II updates, with annotations, the sources of the original monograph through 1969.

70-185 Berridge, Wayne E. and Harris, Larry A. GUIDE TO MATERIALS FOR READING INSTRUCTION, SUPPLEMENT 1. 180p. September 1969. (Bibliography) ED 032 452 RIE February 1970. MF-$0.75; HC-$9.10.

Updates and corrects ED 019 528, listing materials by publisher and type.

70-186 Dunn, Mary Kathryn and Harris, Larry A. RESEARCH ON ELEMENTARY READING: ORAL READING. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 23. 79p. November 1969. (Annotated Bibliography) ED 033 265 RIE March 1970. MF-$0.50. HC-$4.05.

Part I contains abstracts of documents published from 1950-1967; Part II contains annotations of documents published prior to 1950.

70-187 Dunn, Mary Kathryn and Laffey, James L. RESEARCH ON READING: WORD LISTS. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 18. 56p. September 1969. (Annotated Bibliography) ED 030 778 RIE December 1969. MF-$0.25; HC-$2.90.

Provides a compilation of studies related to or concerned with the development, utility and evaluation of various types of word lists.

70-188 Farr, Roger. READING: WHAT CAN BE MEASURED? 305p. 1969. (State-of-the-art Paper) ED 033 258. RIE March 1970. MF-$1.25; HC-available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711.

Organizes and describes the research literature on measurement and evaluation in reading. Indexes to reading tests and published research literature in reading are included.

70-189 Laffey, James L. USOE SPONSORED RESEARCH IN READING, SUPPLEMENT 1. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 20. 59p. September 1969. (Annotated Bibliography) ED 031 606 RIE January 1970. MF-$0.50; HC-$3.05.

Supplements ED 016 603, containing citations of reports issued by USOE-sponsored projects, appearing in *Research in Education* from 1966 to July 1969.

70-190 Laffey, James L. and Wendt, John. CURRENT USOE PROJECTS ON READING. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 21. 16p. September 1969. (Annotated Bibliography) ED 031 607. RIE January 1970. MF-$0.25; HC-$0.90.

Lists reading-related projects sponsored by USOE. Information was taken from the May 1969 issue of *Current Projects Information*.

70-191 Laffey, James L. And Others. RESEARCH ON READING FROM *Research in Education*. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 22. 400p. November 1969. (Annotated Bibliography) ED 032 453 RIE February 1970. MF-$1.50; HC-$20.10.

Contains resumes of 617 documents processed by ERIC/CRIER and appearing in *RIE* from July 1967 to December 1968.

70-192 Longstreet, Wilma and Summers, Edward G. RECENT DOCTORAL DISSERTATIONS IN READING, SUPPLEMENT 2. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 24. 103p. March 1970. (Annotated Bibliography) ED 035 793 RIE June 1970. MF-$0.50; HC-$5.25.

Abstracts of 192 dissertations from volume 29 of *Dissertation Abstracts* (July 1968 through June 1969).

70-193 Summers, Edward G. DOCTORAL DISSERTATIONS IN COLLEGE AND ADULT READING INSTRUCTION. *Journal of Reading:* Volume 13, Number 1. p9-14 January 1970. (Annotated Bibliography).

Gives citations and abstracts for 29 dissertations.

70-194 Summers, Edward G. DOCTORAL DISSERTATIONS IN SECONDARY READING. *Journal of Reading:* Volume 13, Number 8. p597-602. May 1970. (Annotated Bibliography).

Lists doctoral dissertations reported in *Dissertation Abstracts,* Volume 29 (1968). Brief abstracts are included.

70-195 Summers, Edward G. INDEXES TO ERIC/CRIER BASIC REFERENCES. ERIC/CRIER READING REVIEW SERIES. 437p. September 1969. (Coordinate Index) ED 030 004 RIE November 1969. MF-$1.75; HC-$21.95.

For each of the 45 categories in the ERIC/CRIER classification system, lists the document numbers in the ERIC/CRIER collection which fall into that category.

70-196 Summers, Edward G. TWENTY YEAR ANNOTATED INDEX TO *The Reading Teacher*. 91p. 1969. (Annotated Bibliography) ED 031 608 RIE January 1970. MF-$0.75. HC-available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711.

Organizes 816 articles into 18 categories.

70-197 Smith, Carl B. and Roser, Nancy. RESEARCH ON ELEMENTARY READING: CRITICAL AND INTERPRETIVE READING. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 19. 60p. August 1969. (Annotated Bibliography) ED 030 779 RIE December 1969. MF-$0.50; HC-$3.10.

Part I lists reports published since 1950, in three subsections: highly relevant reports, those making relevant statements about the topic but whose major focus is elsewhere, and those which mention the topic in a passing manner. Part II lists related reports published before 1950.

70-198 Trull, Ronald L. RESEARCH ON ELEMENTARY READING: COMPREHENSION. ERIC/CRIER READING REVIEW SERIES, BIBLIOGRAPHY 27. 142p. April 1970. (Annotated Bibliography) RE 002 903 MF-$0.75.; HC-$7.20.

Focuses on the identification and examination of the variables which influence comprehension, under five general areas: (1) the reader, (2) the teacher, methods, materials, and programs, (3) language, (4) measurement, and (5) research summaries.

RURAL EDUCATION AND SMALL SCHOOLS

70-199 DeBlassie, Richard R. and Healy, Gary W. SELF CONCEPT: A COMPARISON OF SPANISH-AMERICAN, NEGRO, AND ANGLO ADOLESCENTS ACROSS ETHNIC, SEX AND SOCIOECONOMIC VARIABLES. 21p. March 1970. (Review) ED 037 287 RIE July 1970. MF-$0.25; HC-$1.20.

The contributing factors (e.g., ethnic membership, socioeconomic position, or sex) which are instrumental in development of an individual's self concept are discussed. Conclusions, implications for school personnel, and recommendations for future research are included.

70-200 Donaldson, George W. and Goering, Oswald H. OUTDOOR EDUCATION: A SYNTHESIS. 16p. March 1970. (Review Paper) ED 037 286 RIE July 1970. MF-$0.25; HC-$0.95.

The "new knowledge" in outdoor education is discussed in terms of principles, history, educational experiences, administrative concerns, and teacher education. A bibliography contains 35 entries, most of which are dissertations written during the 1960's.

70-201 Donohew, Lewis and Parker, Joanne M. IMPACTS OF EDUCATIONAL CHANGE EFFORTS IN APPALACHIA. 21p. March 1970. (Review Paper) RC 004 203.

Information was gathered on the effects of recent developments in Appalachia. Change agents, inputs for change, and efforts at changing life-styles of individuals and of the institutional structure of the area are discussed. A 38-item bibliography is included.

70-202 Edington, Everett D. and Hocker, Phillip. DEVELOPMENT OF VOCATIONAL EDUCATION PROGRAMS FOR AMERICAN INDIANS. 55p. October 1969. (Conference Proceedings) ED 031 614 RIE January 1970. MF-$0.25; HC-$2.85.

Results of a 5-day institute to encourage development of more vocational education programs for American Indians are reported as: a summary of each workshop presentation, a summary of each committee report, and recommendations derived from the institute.

70-203 Fulton, Eulyne and Loomis, Charlotte Ann. OUTDOOR EDUCATION: A SELECTED BIBLIOGRAPHY. 77p. March 1970. (Annotated Bibliography) ED 037 285 RIE July 1970. MF-$0.50; HC-$4.00.
Establishing a series of bibliographies on outdoor education which will be updated periodically, this document contains 134 annotated citations selected from the total ERIC collection through December of 1969. A subject index using descriptors from the *ERIC Thesaurus* is also provided.

70-204 Griessman, B. Eugene and Densley, Kenneth G. REVIEW AND SYNTHESIS OF RESEARCH ON VOCATIONAL EDUCATION IN RURAL AREAS. 49p. December 1969. (Review Paper) ED 034 632 RIE April 1970. MF-$0.25; HC-$2.55.
Vocational needs of rural America are discussed in this two-part research review. Part 1 presents the sociological point of view, while Part 2 is written from an educator's viewpoint. A bibliography accompanies each part.

70-205 Heathman, James E. and Martinez, Cecilia J. MEXICAN AMERICAN EDUCATION, A SELECTED BIBLIOGRAPHY. 58p. July 1969. (Bibliography) ED 031 352 RIE December 1969. MF-$0.50; HC-$3.00.
Selected documents related to Mexican American education are cited in 156 entries chosen from the ERIC collection through July of 1969. In addition, a subject index of terms taken from the *ERIC Thesaurus* is provided.

70-206 Kniefel, David R. and Tanya S. ANNOTATED BIBLIOGRAPHY AND DESCRIPTIVE SUMMARY OF DISSERTATIONS AND THESES ON RURALITY AND SMALL SCHOOLS. 51p. May 1970. (Annotated Bibliography) RC 004 357.
Seventy-six annotated citations on rurality and small schools were selected from *Dissertation Abstracts* for inclusion in this bibliography. An introductory synthesis and a subject index of ERIC descriptors also are included.

70-207 Loomis, Charlotte Ann. INDEX TO THE JOURNAL OF AMERICAN INDIAN EDUCATION, VOLUME 1, NUMBER 1 - VOLUME 8, NUMBER 1. 44p. October 1969. (Annotated Index) ED 032 968 RIE February 1970. MF-$0.25; HC-$2.30.
Annotated coverage is provided of the 112 articles appearing in the *Journal of American Indian Education* from its inception in June of 1961 through October of 1968. (Later issues of the journal are indexed in *Current Index to Journals in Education.)* Author and subject indices are included.

70-208 Martinez, Cecilia J. and Heathman, James E. AMERICAN INDIAN EDUCATION, A SELECTED BIBLIOGRAPHY. 98p. August 1969. (Annotated Bibliography) ED 030 780 RIE December 1969. MF-$0.50; HC-$5.00.
Contains 148 citations of selected documents relevant to American Indian education which appear in the ERIC collection through August of 1969. A subject index of descriptor terms from the *ERIC Thesaurus* is included.

70-209 Schnur, James O. A SYNTHESIS OF CURRENT RESEARCH IN MIGRANT EDUCATION. 44p. May 1970. (Review Paper) RC 004 287.
A current broad view of migrant education is provided to inform educators of practices and procedures now being employed. An overview of the migrant scene in general, a discussion of existent educational programs, and projections are included.

70-210 Smith, Julian W. OUTDOOR EDUCATION: AN OVERVIEW. 7p. December 1969. (Review Paper) ED 034 631 RIE April 1970. MF-$0.25; HC-$0.50.
To acquaint educators with the concept and scope of outdoor education, the developments in the field, educational benefits, and ERIC's role are discussed.

70-211 Wurster, Stanley R. and Heathman, James E. RURAL EDUCATION AND SMALL SCHOOLS, A SELECTED BIBLIOGRAPHY. 181 p. November 1969. (Annotated Bibliography) ED 033 257 RIE March 1970. MF-$0.75; HC-$9.15.
Contains abstracts of documents which have appeared in the total ERIC collection through September of 1969. Over 300 publications are cited, most of which were published after 1965. Descriptor terms from the *ERIC Thesaurus* are used to provide a subject index.

70-212 NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, 43rd ANNUAL MEETING, MARCH 5-8, 1970. ABSTRACTS OF PRESENTED PAPERS. MINNEAPOLIS, MINNESOTA. 235p. March 1970. (Research Reporting Sections) ED 034 914. MF-$1.00; HC-$11.85.

Included are abstracts of nearly all research reports presented at the National Conference of the National Association for Research in Science Teaching. Abstracts are grouped as presented at the conference and include such topics as instruction, concept formation, teacher education, and evaluation.

70-213 RESEARCH REPORTING SECTIONS, NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, 48th ANNUAL MEETING, APRIL 1-4, 1970. GOLDEN JUBILEE YEAR. 69p. April 1970. (Research Reporting Sections) ED 036 670. MF-$0.50; HC-$3.55.

Abstracts of research reports presented at the Research Reporting Sections at the national conference of the National Council of Teachers of Mathematics are included. Topics include concept formation, instruction, learning, teacher behaviors, and evaluation.

70-214 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 21, INSTRUCTIONAL PROCEDURES. 60p. July 1969. (Bibliography) ED 030 772 RIE December 1969. MF-$0.50; HC-$3.00.

Contains citations to 212 documents concerning instructional procedures in science and mathematics education. Documents include research reports, journal articles, and textbooks. This bibliography supplements, but does not replace bibliographies 1 and 11 released by this center.

70-215 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 22, TEACHER EDUCATION. 36p. July 1969. (Bibliography) ED 032 441 RIE February 1970. MF-$0.25; HC-$1.90.

Citations to 113 documents related to education of science and mathematics teachers. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 2 and 12 previously released by this center.

70-216 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 23, EQUIPMENT AND MATERIALS. 88p. July 1969. (Bibliography) ED 032 442 RIE February 1970. MF-$0.50; HC-$4.50.

Three hundred and sixty-six documents related to equipment and materials for teaching science and mathematics are cited. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 3 and 13 previously released by this center.

70-217 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 24, CURRICULUM. 125p. July 1969. (Bibliography) ED 032 443 RIE February 1970. MF-$0.50; HC-$6.35.

Cites 460 documents related to curriculum for science and mathematics education. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 4 and 14 previously released by this center.

70-218 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 25, ACHIEVEMENT. 26p. July 1969. (Bibliography) ED 032 444 RIE February 1970. MF-$0.25; HC-$1.40.

Gives citations to 64 documents related to achievement in science and mathematics. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 5 and 15 previously released by this center.

70-219 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 26, TEACHER RESOURCE MATERIALS. 77p. July 1969. (Bibliography) SE 007 576.

The 309 documents cited relate to resource materials for teaching and learning science and mathematics. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 6 and 16 previously released by this center.

70-220 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 27, SCIENCE AND SOCIETY, HISTORY OF SCIENCE EDUCATION, SCIENCE HISTORY, GENERAL STUDIES AND SURVEYS. 27p. July 1969. (Bibliography) ED 032 445 RIE February 1970. MF-$0.25; HC-$1.45.

Contains citations to 87 documents concerning science and mathematics history, history of mathematics education and science education, interaction of science and mathematics and society, and general studies and surveys. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 7 and 17 previously released by this center.

70-221 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 28, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES. 17p. July 1969. (Bibliography) ED 032 446 RIE February 1970. MF-$0.25; HC-$0.95.

Contains citations to 39 documents concerned with legislative acts and reports, administration and supervision, and mathematics and science facilities. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 8 and 18 previously released by this center.

70-222 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 29, EVALUATION AND EDUCATIONAL OBJECTIVES, LEARNING THEORIES AND PROCESSES, RESEARCH METHODOLOGY. 68p. July 1969. (Bibliography) ED 030 781 RIE December 1969. MF-$0.50; HC-$3.50.

Cites 254 documents concerned with evaluation and educational objectives related to science and mathematics education, learning theories and processes related to science and mathematics education, and research methodology. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 9 and 19 previously released by this center.

70-223 SCIENCE EDUCATION INFORMATION REPORT. GENERAL BIBLIOGRAPHY SERIES 30, TEACHER CHARACTERISTICS, STUDENT CHARACTERISTICS. 21p. July 1969. (Bibliography) ED 030 782 RIE December 1969. MF-$0.25; HC-$1.15.

The 49 documents cited concern teacher characteristics and student characteristics related to teaching and learning science and mathematics. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 10 and 20 released earlier by this center.

70-224 Blosser, Patricia E. SCIENCE EDUCATION INFORMATION REPORTS, OCCASIONAL PAPER SERIES - SCIENCE PAPER 1 - INSERVICE EDUCATION FOR TEACHERS OF SECONDARY SCHOOL SCIENCE. 53p. September 1969. (Review Paper) ED 034 912 RIE May 1970. MF-$0.25; HC-$2.75.

Reviews research reports and descriptive materials regarding inservice education for teachers of science at the secondary school level. Summarizes practices and presents suggestions for change. Investigations that are needed to improve inservice education are suggested.

70-225 Blosser, Patricia E. SCIENCE EDUCATION INFORMATION REPORTS, OCCASIONAL PAPER SERIES - SCIENCE PAPER 2 - INSERVICE EDUCATION FOR TEACHERS OF ELEMENTARY SCHOOL SCIENCE. 58p. December 1969. (Review Paper) ED 036 680. MF-$0.50; HC-$3.00.

Research reports and descriptive materials regarding inservice education of teachers of science at the elementary school level are reviewed. Summarizes practices and presents suggestions for change. Investigations that are needed to improve inservice education are suggested.

70-226 Champlin, Robert F. A REVIEW OF THE RESEARCH RELATED TO ESCP. *Journal of Geological Education:* 9p. January 1970. (Review Paper) SE 008 172.

Offers suggestions for future evaluation and research as well as reviewing research reports related to teaching and learning of the Earth Science Curriculum Project (ESCP) materials.

70-227 Cunningham, John D. and Butts, David P. RESEARCH REVIEW SERIES - SCIENCE PAPER 5, A SUMMARY OF RESEARCH IN SCIENCE EDUCATION FOR THE YEARS 1963-64, ELEMENTARY SCHOOL LEVEL. 20p. January 1970. (Review Paper) SE 008 286.

Includes research reports completed during 1963-64 related to the teaching and learning of elementary school science and also to the preparation of elementary school science teachers.

70-228 Haney, Richard And Others. RESEARCH REVIEW SERIES - SCIENCE PAPER 2, A SUMMARY OF RESEARCH IN SCIENCE EDUCATION FOR THE YEARS OF 1965-67, ELEMENTARY SCHOOL LEVEL. 32p. December 1969. (Review Paper) SE 008 285.

Research reports completed during 1965-67 related to the teaching and learning of elementary school science including the preparation of elementary school science teachers are given.

70-229 Ramsey, Gregor A. RESEARCH REVIEW SERIES - SCIENCE PAPER 4, A REVIEW OF THE RESEARCH AND LITERATURE ON THE CHEMICAL EDUCATION MATERIALS STUDY PROJECT. 32p. January 1970. (Review Paper) ED 037 592.

Descriptive reports, evaluative reports, and research reports related to the teaching and learning of the Chemical Education Materials Study Project materials and suggestions for needed evaluation and research are presented.

70-230 Rogers, Robert E. and Voelker, Alan M. PROGRAMS FOR IMPROVING SCIENCE INSTRUCTION IN THE ELEMENTARY SCHOOL - PART I, ESS. *Science and Children:* 8p. January/February 1970. (Review Paper) SE 008 173 and SE 501 156.

Descriptive reports, evaluative reports, and research reports concerning materials for teaching elementary school science (ESS) are given which present the philosophy and the design of the program.

70-231 Theiss, Francis Case. SCIENCE EDUCATION INFORMATION REPORTS, SPECIAL BIBLIOGRAPHIES, BIBLIOGRAPHY 1, SCIENCE AND MATHEMATICS FOR YOUNG CHILDREN: AN ANNOTATED BIBLIOGRAPHY, JANUARY 1964 - JUNE 1969. 33p. September 1969. (Bibliography) ED 033 259 RIE March 1970. MF-$0.25; HC-$1.75.

Presents citations and annotations for selected references related to science and mathematics for young children. Documents identified were published during the period of 1964 to 1969.

70-232 Thomson, Barbara S. and Voelker, Alan M. PROGRAMS FOR IMPROVING SCIENCE INSTRUCTION IN THE ELEMENTARY SCHOOL - PART II, SCIS. *Science and Children:* 17p. May 1970. (Review Paper) SE 008 284.

Reviews descriptive reports, evaluative reports, and research reports concerning the SCIS materials for teaching elementary school science. The philosophy and the design of the program is presented.

70-233 Westmeyer, Paul And others. SCIENCE EDUCATION INFORMATION REPORTS, RESEARCH REVIEW SERIES - SCIENCE PAPER 1, A SUMMARY OF RESEARCH IN SCIENCE EDUCATION FOR THE YEARS 1965-67, SECONDARY LEVEL. 36p. September 1969. (Review Paper) ED 034 913 RIE April 1970. MF-$0.25; HC-$1.90.

Research reports completed during 1965-67 related to the teaching and learning of science in secondary schools as well as reports related to the preparation of secondary school science teachers are reviewed.

TEACHER EDUCATION

70-234 SCHOOL PERSONNEL MADE ELIGIBLE FOR INITIAL CERTIFICATION THROUGH MAT PROGRAMS: A DIRECTORY OF INSTITUTIONS WITH DATA. 20p. (Directory with Data) ED 026 348 RIE June 1969. MF-$0.25; HC-$1.20.

Three types of information are given: the number of persons made eligible for initial certification through MAT programs during 1967, the total number of undergraduate and graduate students made eligible for initial certification through all kinds of programs in 1967, and accreditation status with the National Council of Accreditation. Joint publication with the American Association of Colleges for Teacher Education.

70-235 Allen, Dwight and Cooper, James. MICROTEACHING: HISTORY AND PRESENT STATUS. 37p. February 1970. (State-of-the-art Paper) ED 036 471 RIE June 1970. MF-$0.25; HC-$1.95.

A summary of the history of microteaching's development, its uses, and research evidence concerning it. Distinction is made between uses of microteaching and simulation, recognizing the latter as the more common practice in preservice education. Research summary emphasis is on empirically based studies of behavioral change and on areas related to teaching skills and training protocols.

70-236 Burdin, Joel L. and Lanzillotti, Kaliopee, eds. A READER'S GUIDE TO THE COMPREHENSIVE MODELS FOR PREPARING ELEMENTARY TEACHERS. 353p. December 1969. (Program Description) ED 034 076 RIE April 1970. MF-$1.25; HC-$15.90.

Authors of the nine elementary teacher education models wrote summaries of their models which appear in this guide. Each summary presents information about model goals; selection procedures; preservice, professional, academic, and inservice components; faculty; evaluation; and management. Also included is a discussion among the writers about concerns of teacher educators. Published jointly with the American Association of Colleges for Teacher Education.

70-237 Clothier, Grant And Others. PREPARING TEACHERS FOR URBAN SCHOOLS: AN ANNOTATED BIBLIOGRAPHY. 43p. August 1969. (Annotated Bibliography) ED 033 094 RIE February 1970. MF-$0.25; HC-$2.25.

These 187 entries developed by the Cooperative Urban Teacher Education program present a selective reading list for undergraduate teacher education candidates. Entries are categorized under teacher education, sociology, psychology, and non-print materials. Published jointly with the Mid-Continent Regional Educational Laboratory.

70-238 Cooper, James. A GUIDE TO MODEL ELEMENTARY TEACHER EDUCATION PROGRAM. 26p. 1969. (Program Description) ED 035 608 RIE May 1970. MF-$0.25; HC-$1.05.

University of Massachusetts model. An attempt to institutionalize change by way of a thorough analysis of educational roles, tasks, structure, and objectives is made in this model.

70-239 Cooper, James M. MICROTEACHING: HISTORY AND PRESENT STATUS. AN ANNOTATED BIBLIOGRAPHY. 13p. February 1970. (Annotated Bibliography) ED 036 466 RIE June 1970. MF-$0.25; HC-$0.80.

Forty-eight articles, reports, and papers on microteaching are included in this bibliography.

70-240 Cottrell, Donald P. SELECTED BIBLIOGRAPHY ON THE ACCREDITATION OF TEACHER EDUCATION. 21p. February 1970. (Annotated Bibliography) ED 036 467 RIE June 1970. MF-$0.25; HC-$1.20.

These 83 citations of published articles and books are confined to the past 15 years with factual materials as well as opinion included.

70-241 Cruickshank, Donald and Broadbent, Frank. SIMULATION IN PREPARING SCHOOL PERSONNEL. 51p. February 1970. (State-of-the-art Paper) ED 036 470 RIE June 1970. MF-$0.25; HC-$2.65.

An overview of simulation, particularly as it relates to professional preparation of school personnel, is presented under the headings: (1)

design and development of instructional simulation, (2) uses of instructional simulation, (3) issues to be resolved, (4) advantages of simulation, (5) disadvantages of simulation, (6) questions to be resolved.

70-242 Cruickshank, Donald and Broadbent, Frank. SIMULATION IN PREPARING SCHOOL PERSONNEL: A BIBLIOGRAPHY. 12p. (Bibliography) ED 036 465 RIE June 1970. MF-$0.25; HC-$0.75.
Lists 130 books, articles, reports, theses, and other papers on the topic of simulation.

70-243 Dodl, Norman R. A GUIDE TO A MODEL FOR THE PREPARATION OF ELEMENTARY TEACHERS. 24p. 1969. (Program Description) ED 035 601 RIE May 1970. MF-$0.25; HC-$1.30.
Florida State University model. Teacher educators need to plan instruction with behavorial objectives. Trainees move through underclass, preservice and inservice phases. Upon graduation a trainee moves to a full-time teaching position at a "portal school"--a public school responsible for educating new teachers as well as children.

70-244 Grambs, Jean And Others. PARAPROFESSIONALS AND TEACHER AIDES: AN ANNOTATED BIBLIOGRAPHY. 45p. February 1970. (Annotated Bibliography) ED 036 482 RIE June 1970. MF-$0.25; HC-$2.25.
The 167 citations are presented under the following headings; (1) general training; (2) training aides for disadvantaged, adult education, special curriculum and media aides, and volunteers; (3) training specific persons as aides--the disadvantaged and the teenager; (4) career development programs; (5) junior college training programs; (6) bibliographies on training aides.

70-245 Houston, Robert W. A GUIDE TO BEHAVIORAL SCIENCE ELEMENTARY TEACHER EDUCATION PROGRAMS. 31p. 1969. (Program Description) ED 035 602 RIE May 1970. MF-$0.25; HC-$1.65.
Michigan State University model. Key concept is the clinical behavior style of the teachers it produces.

70-246 Johnson, Charles E. A GUIDE TO THE GEORGIA EDUCATIONAL MODEL SPECIFICATIONS FOR THE PREPARATION OF ELEMENTARY TEACHERS. 41p. 1969. (Program Description) ED 035 606 RIE May 1970. MF-$0.25; HC-$2.15.
University of Georgia model. Teacher performance behaviors are the basis of the trainee's learning activities. During the three phases of the program (pre-professional, professional, and inservice), the trainee experiences learning activities through proficiency modules.

70-247 Joyce, Bruce R. A GUIDE TO THE TEACHER-INNOVATOR: A PROGRAM TO PREPARE TEACHERS. 56p. 1969. (Program Description) ED 035 605 RIE May 1970. MF-$0.25; HC-$2.55.
Teachers College, Columbia University model. This model trains teachers for four roles: institution-builder, interactive teacher, innovator, and scholar. Teachers acquire understanding of these roles during preservice and inservice experiences in four methodologies: (1) inquiry and feedback groups, (2) differential training, (3) an inquiry school, (4) a contract laboratory.

70-248 Lindsey, Margaret And Others. THE FOURTH FLORENCE B. STRATEMEYER LECTURE: FERMENT IN THE PROFESSIONAL EDUCATION OF TEACHERS. 23p. May 1969. (Lecture Reprint) ED 032 253 RIE January 1970. MF-$0.25; HC-$1.25.
A three-part lecture presented by former students of Florence B. Stratemeyer which pertains to the urban crisis and teaching, freedom and repression in the higher education establishment, and activism and teacher education. Published jointly with the Association for Student Teaching.

70-249 McKenna, Bernard. DIFFERENTIATED STAFFING: AN ANNOTATED BIBLIOGRAPHY. 15p. October 1969. (Annotated Bibliography) ED 033 898 RIE March 1970. MF-$0.25; HC-$0.90.
The 31 items selected for this bibliography deal directly with differentiation of school staffs. Published jointly with the National Commission on Teacher Education and Professional Standards.

70-250 Ross, Marlene. PREPARING SCHOOL PERSONNEL FOR DIFFERENTIATED STAFFING PATTERNS: A GUIDE TO SELECTED DOCUMENTS IN THE ERIC COLLECTION, 1966-1968. 72p. May 1969. (Annotated Bibliography) ED 028 155 RIE August 1969. MF-$0.50; HC-$3.80.
A guide to 114 documents on differentiated staffing which were abstracted for RIE from 1966-1968. It summarizes RIE abstracts according to subject area classification.

70-251 Ross, Marlene. PREPARING SCHOOL PERSONNEL FOR AN OPEN SOCIETY: A GUIDE TO SELECTED DOCUMENTS IN THE ERIC COLLECTION, 1966-1968. 96p. May 1969. (Annotated Bibliography) ED 028 156 RIE August 1969. MF-$0.50; HC-$5.00.
Abstracts of 166 documents containing information on programs for preparing teachers to teach in an open society appear in this guide.

70-252 Ross, Marlene. SCHOOL-COLLEGE COLLABORATION IN *PREPARING SCHOOL PERSONNEL: A* GUIDE TO SELECTED DOCUMENTS IN THE ERIC COLLECTION, 1966-1968. 54p. May 1969. (Annotated Bibliography) ED 029 000 RIE September 1969. MF-$0.25; HC-$2.90.

A guide to 82 documents on preparing school personnel through the collaboration of schools, colleges, agencies, organizations, state departments of education, and the community.

70-253 Ross, Marlene. STRUCTURED PRACTICE IN PREPARING SCHOOL PERSONNEL: A GUIDE TO SELECTED DOCUMENTS IN THE ERIC COLLECTION, 1966-1968. 66p. March 1969. (Annotated Bibliography) ED 026 349 RIE June 1969. MF-$0.50; HC-$3.50.

One hundred books, articles, and papers published between 1959 and 1968 are listed. Summaries of topics with references to document numbers are included in Part I, and abstracts to which the summaries are keyed with bibliographic information and availability notations are in Part 2.

70-254 Sandefur, J.T. and Bressler, Alex A. CLASSROOM OBSERVATION SYSTEMS IN PREPARING SCHOOL PERSONNEL. 37p. March 1970. (State-of-the-art Paper) SP 003 569 RIE July 1970. MF-$0.25; HC-$1.95.

Of this four-part paper, part 2 describes the more important classroom observation systems. The systems are in three categories: affective systems, cognitive systems, and multidimensional systems.

70-255 Sandefur, J.T. and Bressler, Alex A. CLASSROOM OBSERVATION SYSTEMS IN PREPARING SCHOOL PERSONNEL: AN ANNOTATED BIBLIOGRAPHY. 9p. February 1970. (Annotated Bibliography) ED 036 483 RIE June 1970. MF-$0.25; HC-$0.60.

Lists and annotates 39 books, articles, reports and manuals--both published and unpublished.

70-256 Schaefer, James F., Jr. A BIBLIOGRAPHY OF REFERENCES USED IN THE PREPARATION OF THE NINE MODEL TEACHER EDUCATION PROGRAMS. 95p. August 1969. (Bibliography) ED 031 460 RIE December 1969. MF-$0.50; HC-$4.95.

These 1,372 entries published between 1961 and the present are divided into four topic areas in teacher education: the nature and training of teachers, education and educational practices, educational psychology, and educational technology.

70-257 Schalock, H. Del. A GUIDE TO A COMPETENCY-*BASED, FIELD-CENTERED SYSTEMS APPROACH* TO ELEMENTARY TEACHER EDUCATION. 38p. 1969. (Program Description) ED 035 603 RIE May 1970. MF-$0.25; HC-$2.00.

The ComField model of the Northwest Regional Educational Laboratory requires that trainees demonstrate ability to bring about learning outcomes in children and parental involvement in the program. The trainee must become a self-understanding, self-directed learner, contribute to design and continual assessment of the program, and function in a wide range of social contexts.

70-258 Southworth, Horton C. A GUIDE TO A MODEL OF TEACHER TRAINING FOR THE INDIVIDUALIZATION OF INSTRUCTION. 48p. 1969. (Program Description) ED 035 609 RIE May 1970. MF-$0.25; HC-$2.50.

University of Pittsburgh model. This model humanizes education through individualized instruction. It also advises systematic feedback and cooperation between research-oriented and operation-oriented faculty in the program's implementation.

70-259 Suchara, Helen T. COOPERATIVE TEACHER EDUCATION: SCHOOL-COLLEGE RELATIONS IN PREPARING SCHOOL PERSONNEL. 24p. May 1969. (Annotated Bibliography) ED 028 154 RIE August 1969. MF-$0.25; HC-$1.40.

Ninety-three documents published between 1960 and 1969 are identified here dealing with school-college relations in developing school personnel. Major portions of the documents include information on school-college cooperative programs, while others are divided into subject areas.

70-260 Weber, Wilford A. A GUIDE TO SPECIFICATIONS FOR A COMPREHENSIVE UNDERGRADUATE AND INSERVICE TEACHER EDUCATION PROGRAM FOR ELEMENTARY TEACHERS. 24p. 1969. (Program Description) ED 035 604 RIE May 1970. MF-$0.25; HC-$1.30.

Syracuse University model. Educates teachers to confront change and initiate change responsibility in schools and communities. Seven instructional units, focusing on process goals, are composed of modules, which are planned instructional episodes lasting from several hours to several months.

70-261 Wiersma, William. A GUIDE TO EDUCATIONAL SPECIFICATIONS FOR COMPREHENSIVE ELEMENTARY TEACHER EDUCATION PROGRAM. 18p. 1969. (Program Description) ED 035 607 RIE May 1970. MF-$0.25; HC-$1.00.

Model developed by the consortium of Ohio universities allows individualized programs to be developed from 818 specifications, which include in excess of 2,000 behavioral objectives.

70-262 Blake, Howard E. and Mattleman, Marciene S. BASIC BIBLIOGRAPHY ON DISCUSSION AND INFORMAL TALK. 4p. February 1970. (Annotated Bibliography). Not available through EDRS.
Provides basic and current resources of information on teaching discussion and informal talk.

70-263 Burress, Lee A., Jr. BASIC ANNOTATED BIBLIOGRAPHY ON CENSORSHIP. 7p. January 1970. (Annotated Bibliography). Not available through EDRS.
Basic and current resources of information on censorship.

70-264 Burrows, Alvina Treut. BASIC BIBLIOGRAPHY ON TEACHING COMPOSITION IN THE ELEMENTARY SCHOOL. 5p. March 1970. (Annotated Bibliography). Not available through EDRS.
A listing of basic and current resources of information on teaching composition in elementary school.

70-265 Butler, Donna and O'Donnell, Bernard, eds. A GUIDE TO AVAILABLE PROJECT ENGLISH MATERIALS - REVISED EDITION. 137p. September 1969. (Annotated Bibliography) ED 034 775 RIE April 1970. MF-$0.75; HC-$6.95.
Gives abstracts and ordering information for Project English materials available from commercial or university publishers and from EDRS. It is indexed by subject and includes an appendix of all materials available from NCTE.

70-266 Butler, Donna L. and Thiess, Carolyn, eds. ERIC DOCUMENTS ON THE TEACHING OF ENGLISH. VOLUME 3: JULY-DECEMBER 1969. 78p. April 1970. (Bibliography) ED 038 430 RIE August 1970. MF-$0.50; HC-$4.00.
The 1,149 items lists and gives ordering information for all the English-related items announced in the July through December 1969 issues of *Research in Education* and in the January through December 1969 issues of *Current Index to Journals in Education*. Titles are arranged by subject and indexed by author.

70-267 Clark, Roger G. NCTE/ERIC REPORT ON INNOVATION IN TEACHING ENGLISH. *English Journal:* Volume 58, Number 6. p949-955. September 1969. (Annotated Bibliography) EJ 008 103.
A review of abstracts and ordering information for ERIC documents which discuss the innovations being brought about by the electronic revolution and by reconsideration of the principles and techniques of English education.

70-268 Denby, Robert V. LITERATURE BY AND ABOUT NEGROES FOR THE ELEMENTARY LEVEL. *Elementary English:* Volume 46, Number 7. p909-913. November 1969. (Annotated Bibliography) EJ 011 164.
Abstracts and ordering information for ERIC documents concerned with literature by and about Negroes for use in an elementary language arts curriculum.

70-269 Denby, Robert V. AN NCTE/ERIC REPORT ON THE EVALUATION OF HEAD START PROGRAMS. *Elementary English:* Volume 46, Number 8. p1053-1062. December 1969. (Annotated Bibliography) EJ 013 334.
Includes abstracts and ordering information for ERIC documents which evaluate Head Start programs emphasizing language development.

70-270 Denby, Robert V. NCTE/ERIC REPORT: INDEPENDENT STUDY PROGRAMS. *English Journal:* Volume 58, Number 9. p1396-1400. December 1969. (Annotated Bibliography) EJ 013 806.
Information concerning ERIC documents which are especially pertinent to independent study programs in English at the secondary level.

70-271 Denby, Robert V. NCTE/ERIC REPORT: INSERVICE EDUCATION FOR LANGUAGE ARTS TEACHERS: 'SO LITTLE TIME...SO MUCH TO LEARN!'. *Elementary English:* Volume 47, Number 4. p580-590. April 1970. (Annotated Bibliography) TE 200 658.
A review of ERIC documents potentially useful in planning inservice education programs for teachers of the language arts at the elementary school level.

70-272 Denby, Robert V. NCTE/ERIC REPORT: A REFERENCE SHELF ON CURRICULUM PLANNING FOR THE LANGUAGE ARTS K-8. *Elementary English:* Volume 47, Number 3. p440-449. March 1970. (Annotated Bibliography) TE 200 570.
Abstracts and ordering information for ERIC documents which can be consulted for ideas pertinent to curriculum revision, planning, and development in language arts, grades K-8.

70-273 Denby, Robert V. NCTE/ERIC SUMMARIES AND SOURCES: FILM STUDY IN THE SECONDARY SCHOOL. *English Journal:* Volume 58, Number 8. p1259-1267. November 1969. (Annotated Bibliography) EJ 011 810.
ERIC documents dealing with the following aspects of film study: (1) reports of film study units and projects, (2) suggestions for developing such units, (3) lists of films available, (4) considerations of instructional objectives, and (5) strategies for surmounting obstacles to film study.

70-274 Denby, Robert V. NCTE/ERIC SUMMARIES AND SOURCES: INSERVICE EDUCATION FOR SECONDARY ENGLISH TEACHERS: 'SO LITTLE TIME...SO MUCH TO LEARN'. *English Journal:* Volume 59, Number 4. p594-602. April 1970. (Annotated Bibliography) TE 200 680.
Information on ERIC documents potentially useful in planning inservice education programs for teachers of English at the secondary school level.

70-275 Denby, Robert V. NCTE/ERIC SUMMARIES AND SOURCES: LITERARY ANALYSIS IN SECONDARY ENGLISH CLASSES. *English Journal:* Volume 59, Number 3. p438-448. March 1970. (Annotated Bibliography) TE 200 591.
Contains abstracts and ordering information for ERIC documents pertinent to the use of literary analysis in secondary school English classes.

70-276 Denby, Robert V. POETRY INSTRUCTION IN THE ELEMENTARY GRADES: AN NCTE/ERIC REPORT. *Elementary English:* Volume 46, Number 6. p796-802. October 1969. (Annotated Bibliography) EJ 009 521.
Ordering information and abstracts of ERIC documents which describe current instructional practices in teaching poetry-reading and -writing at the elementary school level, and suggest means for improving such instruction.

70-277 Dykema, Karl W. BASIC BIBLIOGRAPHY ON LEXICOGRAPHY. 3p. September 1969. (Annotated Bibliography). Not available through EDRS.
Intended for secondary English teachers, this bibliography gives basic and current resources of information on lexicography.

70-278 Harvey, Robert. INFORMATION SYSTEMS AND THE TEACHER OF TEACHERS. *English Education:* Volume 1, Number 2. p103-109. March 1970. (Report) TE 200 622.
Reviews the growth of the ERIC system and of NCTE/ERIC during 1968 and 1969 and informs teacher educators about the ways that NCTE/ERIC products can help them and their students.

70-279 Harvey, Robert C. NCTE/ERIC REPORT ON CHILDREN'S LITERATURE: WHY? HOW? WHAT? *Elementary English:* Volume 47, Number 2. p293-304. February 1970. (Annotated Bibliography) TE 200 524.
Abstracts and ordering information for ERIC documents available on the subject of teaching children's literature in the elementary schools.

70-280 Harvey, Robert C. NCTE/ERIC REPORT: POETRY IN SECONDARY SCHOOLS. *English Journal:* Volume 59, Number 2. p308-315. February 1970. (Annotated Bibliography) TE 200 553.
ERIC documents available on the subject of teaching poetry in the secondary schools.

70-281 Lundsteen, Sara W. BASIC ANNOTATED BIBLIOGRAPHY ON LISTENING. 6p. September 1969. (Annotated Bibliography). Not available through EDRS.
Intended for elementary and secondary English teachers and supervisors, this bibliography gives information on the relationship of listening to reading and writing skills.

70-282 Malkoc, Anna Maria and Roberts, A. Hood. NCTE/ERIC REPORT: BILINGUAL EDUCATION: A SPECIAL REPORT FROM CAL/ERIC. *Elementary English:* Volume 47, Number 5. p713-725. May 1970. (Annotated Bibliography) TE 200 735.
Abstracts and ordering information for ERIC documents concerned with bilingual education.

70-283 Malkoc, Anna Maria and Roberts, A. Hood, NCTE/ERIC SUMMARIES AND SOURCES: BILINGUAL EDUCATION: A SPECIAL REPORT FROM CAL/ERIC. *English Journal:* Volume 59, Number 5. p721-729,735. May 1970. (Annotated Bibliography) TE 200 717.
A review of ERIC documents concerned with bilingual education.

70-284 Odland, Norine. TEACHING LITERATURE IN THE ELEMENTARY SCHOOL. NCTE/ERIC STUDIES IN THE TEACHING OF ENGLISH. 67p. July 1969. (State-of-the-art Paper) ED 031 482 RIE December 1969. MF-$0.50; HC-$3.45.
Reviews the current practices and recent research and development in the field of teaching literature in the lower grades and offers guidance for future practice, and for future research and development.

70-285 O'Donnell, Bernard. NCTE/ERIC REPORT: OPERATION EVALUATION. *Elementary English:* Volume 47, Number 1. p22-26. January 1970. (Report) EJ 014 538.
The growth of the ERIC system and of NCTE/ERIC during 1968 and 1969 and the results of recent NCTE/ERIC efforts to have its services evaluated by ERIC users are reported.

70-286 Richardson, Genevieve. BASIC BIBLIOGRAPHY ON DRAMATIC ARTS: PLAYWRITING, ACTING AND STAGING. 4p. May 1970. (Annotated Bibliography). Not available through EDRS.
Gives basic and current resources of information on the dramatic arts--playwriting, acting and staging.

70-287 Scannell, William J. ANNOTATED LIST OF RECOMMENDED ELEMENTARY AND SECONDARY CURRICULUM GUIDES IN ENGLISH, 1969. 41p. November 1969. (Annotated Bibliography) ED 033 950 RIE March 1970. MF-$0.25; HC-$2.15.
Evaluative annotations and ordering information for 50 elementary and secondary curriculum guides reviewed and recommended by NCTE's Committee on Curriculum Bulletins. A copy of the criteria and rating scale used by the Committee is appended.

70-288 Schwartz, Sheila. BASIC BIBLIOGRAPHY ON THE HUMANITIES. 4p. March 1970. (Annotated Bibliography). Not available through EDRS.
Provides basic and current resources of information on the teaching of the humanities in secondary schools.

70-289 Sloan, Thomas O. BASIC ANNOTATED BIBLIOGRAPHY ON PUBLIC SPEAKING AND ORAL INTERPRETATION. 5p. June 1970. (Annotated Bibliography). Not available through EDRS.
Basic and current resources of information on public speaking and oral interpretation.

70-290 Smith, Rodney P, Jr. CREATIVITY IN THE ENGLISH PROGRAM. NCTE/ERIC STUDIES IN THE TEACHING OF ENGLISH. 101p. April 1970. (State-of-the-art Paper) ED 038 413. RIE August 1970. MF-$0.50; HC-$5.15.

Surveys the research on the nature of creativity and points out the possibilities for developing creativity through the study of literature and language. It challenges teachers on all levels to recognize and encourage creativity in their students.

70-291 Thiess, Carolyn, ed. And Others. ERIC DOCUMENTS ON THE TEACHING OF ENGLISH, VOLUME 2: JANUARY-JUNE 1969. 47p. October 1969. (Bibliography) ED 033 140 RIE February 1970. MF-$0.25; HC-$2.45.

List of 522 items which gives ordering information for all the English-related items announced in the January through June 1969 issues of *Research in Education*. Titles are arranged by subject and indexed by author.

70-292 White, Elizabeth S. BASIC ANNOTATED BIBLIOGRAPHY OF BIOGRAPHY. 4p. January 1970. (Annotated Bibliography). Not available through EDRS.

Provides basic and current resources of information on teaching biography.

70-293 York, L. Jean. BASIC BIBLIOGRAPHY ON HANDWRITING, CAPITALIZATION AND PUNCTUATION. 5p. December 1969. (Annotated Bibliography). Not available through EDRS.

Basic and current resources of information on handwriting, capitalization, and punctuation.

TEACHING OF FOREIGN LANGUAGES

70-294 Carroll, John B. WHAT DOES THE PENNSYLVANIA FOREIGN LANGUAGE RESEARCH PROJECT TELL US? *Foreign Language Annals:* Volume 3, Number 2. p214-236. December 1969. (Review Paper).

Critique of the project citing reasons for avoiding blind acceptance of the conclusions.

70-295 Gaj, Patricia. AN ANALYSIS OF A FOLLOW-UP QUESTIONNAIRE ADMINISTERED TO 743 STUDENTS WHO HAD BEEN ENROLLED IN FRESHMAN ENGLISH AT NINE JUNIOR COLLEGES. 9p. August 1969. (Review Paper) ED 033 154 RIE February 1970. MF-$0.25; HC-$0.55.

Student opinion of junior college English programs is reflected in this analysis. Comparisons are drawn between dropout and sophomore responses, and between humanities-social science-service and science-math-technology sophomores.

70-296 Gaj, Patricia. THE PREPARATION OF JUNIOR COLLEGE ENGLISH INSTRUCTORS. 6p. August 1969. (Review Paper) ED 033 153 RIE February 1970. MF-$0.25; HC-$0.40.

Results of a survey of graduate English departments, responses of young junior college English instructors to a request to assess their preparation, and tentative recommendations for junior college teacher preparation are presented.

70-297 Lange, Dale L., ed. 1969 ACTFL ANNUAL BIBLIOGRAPHY OF BOOKS AND ARTICLES ON PEDAGOGY IN FOREIGN LANGUAGES. *Foreign Language Annals:* Volume 3, Number 4. p627-673. May 1970. (Bibliography) FL 001 791.

A classified list of 1,377 articles, books, monographs, etc. which appeared in 1969. Relevant EDRS accessions in 1969 are included, and an authors index is appended.

70-298 Mathieu, G. Bording. POEMS IN EARLY FOREIGN LANGUAGE INSTRUCTION. 14p. June 1970. (Review Paper) FL 001 790 MF-$0.25; HC-$0.80.

A discussion of techniques for teaching poems, with a bibliography of further reading. (No. 15 in the series: *ERIC Focus Reports on the Teaching of Foreign Languages*).

70-299 Mildenberger, Andrea S. and Mazzeo, Margarita, comps. ERIC DOCUMENTS ON THE TEACHING OF FOREIGN LANGUAGES: LIST NUMBER 4. *Foreign Language Annals:* Volume 3, Number 3. p489-502. March 1970. (Bibliography) ED 037 150 RIE July 1970. MF-$0.25; HC-$1.00.

Lists 344 EDRS documents on the teaching of foreign languages appearing in *RIE* from May 1969 through October 1969. Each item cites location of relevant abstract, ED number, and cost.

70-300 Mildenberger, Andrea S. and Wood, Carol, comps. ERIC DOCUMENTS ON THE TEACHING OF FOREIGN LANGUAGES: LIST NUMBER 3. *Foreign Language Annals:* Volume 3, Number 1. p113-127. October 1969. (Bibliography) ED 033 643 RIE March 1970. MF-$0.25; HC-$1.05.

Lists 352 EDRS documents on the teaching of foreign languages appearing in *RIE* from October 1968 through April 1969. Each item cites location of relevant abstract, ED number, and cost.

70-301 Munoz, Olivia. SONGS IN THE FOREIGN LANGUAGE CLASSROOM. 10p. August 1969. (Review Paper) ED 034 450 RIE April 1970. MF-$0.25; HC-$0.60.

Relevant techniques and materials, with a source list for appropriate teaching materials. (No. 12 in a series: *ERIC Focus Reports on the Teaching of Foreign Languages.)*

70-302 Nelson, Bonnie E., ed. GRADUATE PROGRAMS IN ENGLISH AT MIAMI UNIVERSITY (OXFORD), THE UNIVERSITY OF WISCONSIN (MILWAUKEE), VIRGINIA POLYTECHNIC INSTITUTE, ILLINOIS STATE UNIVERSITY, AND DEPAUW UNIVERSITY. 40p. July 1969. (Program Descriptions) ED 031 512 RIE December 1969. MF-$0.25; HC-$2.10.

70-303 Nelson, Bonnie E., ed. GRADUATE PROGRAMS IN ENGLISH AT PENNSYLVANIA STATE UNIVERSITY (UNIVERSITY PARK) AND THE UNIVERSITY OF TENNESSEE. 52p. July 1969. (Program Descriptions) ED 031 517 RIE December 1969. MF-$0.25; HC-$2.70.

70-304 Nelson, Bonnie E., ed. GRADUATE PROGRAMS IN ENGLISH AT TEACHERS COLLEGE (COLUMBIA), DUKE UNIVERISTY, AND PRINCETON UNIVERSITY. 18p. May 1969. (Program Descriptions) ED 028 203 RIE August 1969. MF-$0.25; HC-$1.00.

70-305 Nelson, Bonnie E., ed. GRADUATE PROGRAMS IN ENGLISH AT THE UNIVERSITY OF IOWA, TEXAS TECHNOLOGICAL COLLEGE, AND THE UNIVERSITY OF OREGON (EUGENE). 29p. July 1969. (Program Descriptions) ED 031 513 RIE December 1969. MF-$0.25; HC-$1.55.

70-306 Nelson, Bonnie E., ed. GRADUATE PROGRAMS IN ENGLISH AT THE UNIVERISTY OF WISCONSIN (MADISON), THE UNIVERSITY OF CINCINNATI, THE UNIVERSITY OF NORTH CAROLINA (CHAPEL HILL), AND THE UNIVERSITY OF ILLINOIS (URBANA). 31p. July 1969. (Program Descriptions) ED 031 516 RIE December 1969. MF-$0.25; HC-$1.65.

70-307 Nelson, Bonnie E., ed. RECENTLY REVISED GRADUATE PROGRAMS IN ENGLISH AT INDIANA UNIVERSITY (BLOOMINGTON), NEW YORK UNIVERSITY, AND THE UNIVERSITY OF SOUTH CAROLINA. 11p. May 1969. (Program Descriptions) ED 028 204 RIE August 1969. MF-$0.25; HC-$0.65.

70-308 Nelson, Bonnie E., ed. FUTURE Ph.D. PROGRAMS IN ENGLISH AT BOSTON COLLEGE AND MEMPHIS STATE UNIVERSITY. 8p. July 1969. (Program Descriptions) ED 031 514 RIE December 1969. MF-$0.25; HC-$0.50.

70-309 Nelson, Bonnie E., ed. GRADUATE PROGRAMS IN ENGLISH AT MARQUETTE UNIVERSITY AND THE UNIVERSITY OF MICHIGAN: BULLETINS FOR GRADUATE STUDENTS: 30p. May 1969. (Program Descriptions) ED 028 205 RIE August 1969. MF-$0.25; HC-$1.60.

70-310 Nelson, Bonnie E., comp. GRADUATE PROGRAMS IN ENGLISH; A 1969 REPORT. 29p. May 1969. (Review Paper) ED 028 202 RIE August 1969. MF-$0.25; HC-$1.55.

In addition to statistical data on degrees, enrollments, and faculty size the study includes discussions of dissertations, length of doctoral study, intermediate degrees, foreign language requirements, and class size.

70-311 Nelson, Bonnie E., ed. A HANDBOOK FOR GRADUATE STUDENTS AT THE UNIVERSITY OF BRITISH COLUMBIA. 13p. July 1969. (Program Description) ED 031 515 RIE December 1969. MF-$0.25; HC-$0.75.

70-312 Nelson, Bonnie E., ed. A PROPOSAL FOR THE ESTABLISHMENT OF AN ENGLISH Ph.D. PROGRAM, BEGINNING 1970-71 AT THE UNIVERSITY OF IDAHO (MOSCOW). 26p. July 1969. (Program Description) ED 031 511 RIE December 1969. MF-$0.25; HC-$1.40.

70-313 Nelson, Robert J. USING RADIO TO DEVELOP AND MAINTAIN COMPETENCE IN A FOREIGN LANGUAGE. 10p. July 1969. (Review Paper) ED 036 215 RIE June 1970. MF-$0.25; HC-$0.60.

A discussion of relevant techniques and materials, with a bibliography of further readings. (No. 11 in a series: *ERIC Focus Reports on the Teaching of Foreign Languages.*)

70-314 Scarry, John, comp. ERIC REPORTS ON THE JUNIOR COLLEGE SURVEY: THE PRESIDENT'S QUESTIONNAIRE. 5p. November 1969. (Review Paper) ED 037 479 RIE July 1970. MF-$0.25; HC-$0.35.

A preliminary report of a joint study of the teaching of English at the junior college level based on 127 responses to a questionnaire sent to junior college presidents.

70-315 Sheppard, Douglas C. CERTIFYING TEACHERS OF MODERN FOREIGN LANGUAGES FOR AMERICAN PUBLIC SCHOOLS--1969. Preprint from: *Foreign Language Annals:* Volume 3, Number 4. 17p. May 1970. (Review Paper) FL 001 722 RIE August 1970. MF-$0.25; HC-$0.95.

A survey of state certification practices and requirements for modern foreign language teachers. Reports on credit and hour requirements for elementary, secondary, supervisory, and coordinator certification. The questionnaire used in the survey is included with a state-by-state tabulation of responses.

70-316 Shugrue, Michael F. THE NATIONAL STUDY OF ENGLISH IN THE JUNIOR COLLEGE. March 1970. (Review Paper) ED 037 480 RIE July 1970. MF-$0.25; HC-$1.00.

Focuses upon the findings of a comprehensive, cooperative study of the junior college English department, its curriculum, and the role of its chairman. Eight major recommendations are provided.

70-317 Stack, Edward M. THE MECHANICAL POTENTIAL OF THE LANGUAGE LABORATORY. 16p. May 1970. (Review Paper) FL 001 724 RIE August 1970. MF-$0.25; HC-$0.90.

Descriptions of 11 mechanical functions of the foreign language laboratory which enable the use of authentic target language, linguistically effective learning devices, visuals, and facilities for monitoring and testing. A bibliography of further reading is provided. (No. 14 in series: *ERIC Focus Reports on the Teaching of Foreign Languages.)*

70-318 Striano, Antonio, comp. and Adorno, Elvira, ed. ITALIAN IN THE COLLEGES AND UNIVERSITIES OF THE U.S., 1968-69. 150p. June 1970. (Survey) FL 001 784. MF-$0.75; HC-$7.60.

Indicates course offerings at the undergraduate and graduate levels. Opportunities for study abroad and resource lists are included.

70-319 Svobodny, Dolly D., comp. TELEVISION AND FILM IN COLLEGE ENGLISH INSTRUCTION: A BIBLIOGRAPHY OF RESEARCH AND STUDIES WITH ABSTRACTS. 29p. October 1969. (Annotated Bibliography) ED 035 674 RIE May 1970. MF-$0.25; HC-$1.55.

A list of 62 items, with abstracts. For EDRS items, relevant purchase data are given.

70-320 Turner, E. Daymond, Jr. CORRELATION OF LANGUAGE CLASS AND LANGUAGE LABORATORY. 12p. October 1969. (Review Paper). ED 034 451 RIE April 1970. MF-$0.25; HC-$0.70.

Provides guidelines and relevant techniques, with a bibliography of further reading. (No. 13 in a series: *ERIC Focus Reports on the Teaching of Foreign Languages.)*

70-321 Valette, Rebecca M. DIRECTIONS IN FOREIGN LANGUAGE TESTING. 66p. December 1969. (State-of-the-art Paper). ED 034 460 RIE April 1970. MF-$0.50; HC-$3.40.

This handbook considers aptitude testing, the need to classify the aims of foreign language instruction, techniques and recent research on measuring achievement, the use of tests in the classroom, and methods of evaluating teacher competence.

70-322 Wiley, David E. A METHODOLOGICAL REVIEW OF THE PENNSYLVANIA FOREIGN LANGUAGE RESEARCH PROJECT. *Foreign Language Annals:* Volume 3, Number 2. p208-213. December 1969. (Review Paper)

The history or evaluation and assessment is reviewed, and the distinction between conclusion- and decision-oriented research is made and applied to evaluation. These implications for the design of evaluation studies are specified and employed in reviewing the research project.

URBAN DISADVANTAGED

70-323 Cohen, David. IMMIGRANTS AND THE SCHOOLS: A REVIEW OF RESEARCH. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 8. 21p. December 1969. (Review Paper) ED 033 263 RIE March 1970. MF-$0.25; HC-$1.15.

Compares various measures of school performance for immigrant and native white children with reference to schooling and social mobility. Findings suggest that many immigrant group pupils were much more likely to be retarded than their native white schoolmates. Much variability in immigrant children's educational attainment was noted.

70-324 Gordon, Edmund W. AN ANNOTATED BIBLIOGRAPHY ON HIGHER EDUCATION OF THE DISADVANTAGED. 69p. 1970. (Annotated Bibliography). UD 010 114. RIE August 1970. MF-$0.50; HC-$3.55.

Focuses on the following: civil rights and access to higher education; programs and practices in higher education for the disadvantaged; college admissions and guidance; characteristics of disadvantaged students; and, the Negro college. Addendum of 27 items updating main bibliography also included. Majority of listed items are journal articles.

70-325 Gordon, Edmund W. BUILDING A SOCIALLY SUPPORTIVE ENVIRONMENT. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 16. 21p. June 1970. (Review Paper). UD 010 274. MF-$0.25; HC-$1.15.

Discusses acceleration in the process of habituation and growing complexity in adaptation as a result of reaction toward increasing complexity of modern social environments. Suggests strategies for achieving ecological balance or personal-politico-social homeostasis in the process of building a socially supportive environment.

70-326 Gordon, Edmund W. GUIDANCE IN AN URBAN SETTING. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 15. 16p. June 1970. (Review Paper) UD 010 106. MF-$0.25; HC-$0.90.

This paper describes and categorizes the characteristics of disadvantaged urban children with behavior disorders which may have some deleterious effect on their learning, and discusses the several kinds of activities which a comprehensive program of guidance for such children would entail for a specialist in guidance services.

70-327 Gordon, Edmund W., ed. IRCD BULLETIN: VOLUME 5, NUMBER 3, SUMMER 1969. 23p. Summer 1969. (Review Paper) ED 035 677 RIE May 1970. MF-$0.25; HC-$1.25.

This issue is devoted to the subject curriculum relevance. Articles include: *Relevance and Pluralism in Curriculum Development* (Dr. Edmund Gordon), *Toward Curriculum Relevance for Minority Group Children* (Dr. Adelaide Jablonsky), and interpretative statements on Afro-American studies by Mr. Lebert Bethune and Mr. Richard G. Hatcher.

70-328 Gordon, Edmund W., ed. IRCD BULLETIN: VOLUME 5, NUMBER 4, Fall 1969. 18p. September 1969. (Review Paper) ED 037 519 RIE July 1970. MF-$0.25; HC-$1.00.

Commentaries on an article in a recent issue of *Harvard Educational Review* on the nature-nurture controversy by Arthur R. Jensen. Articles included are by Dr. Edmund Gordon, Carol Lopate, Benjamin Bloom, Allan Goldstein, and Howard Gruber. Selected bibliographies on the subject also included.

70-329 Gordon, Edmund W., ed. IRCD BULLETIN: VOLUME 5, NUMBER 5, Winter 1969. 15p. December 1969. (Review Paper) UD 010 200 RIE August 1970. MF-$0.25; HC-$0.85.

Papers focusing on procedures and policies relating to admission to colleges. Paper by Dr. Edmund Gordon discusses the democratizing and humanistic functions of colleges relating to admissions policies. Other papers focus on meaning of admissions decisions and policies, and dual admissions proposals.

70-330 Jablonsky, Adelaide, ed. ERIC-IRCD RESOURCES ON THE SCHOOL DROPOUT. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 14. 27p. April 1970. (Bibliography) ED 037 589 RIE August 1970. MF-$0.25; HC-$1.45.

Supplement to five annotated bibliographies on school dropouts. Items listed available in ERIC-IRCD local library for reference only, and relate to publications focusing entirely on, or several sections dealing with, the dropout. Journal articles excluded from listing.

70-331 Jablonsky, Adelaide, ed. THE JOB CORPS: A REVIEW OF THE ERIC LITERATURE. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 13. 33p. March 1970. (Annotated Bibliography) ED 036 662 RIE July 1970. MF-$0.25; HC-$1.75.

A short review of the specific areas in which the bibliographic listings are grouped. Items listed are arranged in the following categories: Job Corps programs, history and need, planning and program descriptions, administration, instruction (reading and other), guidance, and evaluations and recommendations.

70-332 Jablonsky, Adelaide and Barnes, Regina. THE NEIGHBORHOOD YOUTH CORPS: A REVIEW OF THE ERIC LITERATURE. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 12. 23p. March 1970. (Annotated Bibliography) ED 036 661 RIE July 1970. MF-$0.25; HC-$1.25.

Includes short review on history and operation of Neighborhood Youth Corps. Annotated listing has following breakdown into groups: program descriptions, characteristics of participants, evaluation reports, and reaction papers.

70-333 Jablonsky, Adelaide, ed. SCHOOL DROPOUT PROGRAMS. A REVIEW OF THE ERIC LITERATURE. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 10. 30p. March 1970. (Annotated Bibliography) ED 035 779 RIE June 1970. MF-$0.25; HC-$1.60.

Carries a brief review of program descriptions and evaluations relating to school dropouts. Extensively annotated listing is in four sections: state and city reports, program designs, counseling and guidance programs, and summer programs.

70-334 Jablonsky, Adelaide, ed. THE SCHOOL DROPOUT: A REVIEW OF ERIC LITERATURE. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 9. 42p. March 1970. (Annotated Bibliography) ED 035 778 RIE June 1970. MF-$0.25; HC-$2.20.

Includes a short review on causes and characteristics of the school dropout, and of special dropout groups. The listing has the following breakdown: general references, and special groups arranged as rural, American Indian (general, Sioux, and Johnson-O'Malley programs), Alaskans, Negroes and female students.

70-335 Jablonsky, Adelaide, ed. THE SCHOOL DROPOUT AND THE WORLD OF WORK: A REVIEW OF THE ERIC LITERATURE. ERIC-IRCD URBAN DISADVANTAGED SERIES, NUMBER 11. 27p. March 1970. (Annotated Bibliography) ED 035 780 RIE June 1970. MF-$0.25; HC-$1.45.

Comprised specifically of items relating to employment problems, programs, and prospects of the school dropout. Brief review of the "world of work" of the dropout precedes listing. Listing arranged in the following categories: data collection and analysis, program planning, program descriptions, and program evaluation and follow-up.

70-336 Lopate, Carol. THE COLLEGE READINESS PROGRAM: A PROGRAM FOR THIRD WORLD STUDENTS AT THE COLLEGE OF SAN MATEO, CALIFORNIA. THE STUDY OF COLLEGIATE COMPENSATORY PROGRAMS FOR MINORITY GROUP YOUTH. 36p. November 1969. (Review Paper) ED 035 686 RIE May 1970. MF-$0.25; HC-$1.90.

The two and one-half year history of a program aimed at increasing the number of Third World students in the College of San Mateo, California, and of ensuring that these students would receive necessary financial, emotional, and academic backing to succeed in college.

VOCATIONAL AND TECHNICAL EDUCATION

70-337 ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. 164p. Summer 1969. (Quarterly Abstract Publication) ED 032 433 RIE January 1970. MF-$0.75; HC-$8.30.

70-338 ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. 176p. Fall 1969. (Quarterly Abstract Publication) ED 034 075 RIE March 1970. MF-$0.75; HC-$8.90.

70-339 ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. 168p. Winter 1969. (Quarterly Abstract Publication) ED 037 584 RIE July 1970. MF-$0.75; HC-$8.50.

Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g., agricultural education, business and office education, etc.). Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring and Summer) and began Fall 1967.

70-340 ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. 207p. Summer 1969. (Quarterly Abstract Publication) ED 031 586 RIE December 1969. MF-$1.00; HC-$10.45.

70-341 ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. 206p. Fall 1969. (Quarterly Abstract Publication) ED 033 247 RIE February 1970. MF-$1.00; HC-$10.40.

70-342 ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. 264p. Winter 1969. (Quarterly Abstract Publication) ED 036 654 RIE June 1970. MF-$1.00; HC-$13.30.

70-343 ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION. Spring 1970. (Quarterly Abstract Publication) VT 011 173 RIE September 1970.

Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g., administration and supervision, employment and occupations, evaluation and measurement, etc.). Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring and Summer) and began Fall 1967.

70-344 AIM - ARM ANNUAL INDEX 1968-1969. 114p. 1969. (Index to Abstract Publications) ED 036 652 RIE June 1970. MF-$0.50; HC-$5.80.

An annual publication which includes cumulative indexes to the Fall 1968-Summer 1969 issues of the quarterly publications: *Abstracts of Instructional Materials in Vocational and Technical Education (AIM)* and *Abstracts of Research and Related Materials in Vocational and Technical Education (ARM).*

70-345 Ashmun, Richard D. and Larson, Roger A. REVIEW AND SYNTHESIS OF RESEARCH ON DISTRIBUTIVE EDUCATION. 89p. April 1970. (State-of-the-art Paper) VT 010 125 RIE August 1970.

A review and synthesis of research and related information on distributive education, including objectives, needs, opportunities, curriculum, programs, materials, methods, students, teacher education, administration, evaluation, and research.

70-346 Brandon, George L., ed. RESEARCH VISIBILITY. ACREDITATION AND EVALUATION. *American Vocational Journal:* Volume 45, Number 2. p53-68. February 1970. (Report) VT 010 651 RIE July 1970. MF-$0.25; HC-$0.90.

70-347 Brandon, George L., ed. RESEARCH VISIBILITY. COMPREHENSIVE PLANNING. *American Vocational Journal:* Volume 44, Number 8. p69-84. November 1969. (Report) ED 034 060 RIE March 1970. MF-$0.25; HC-$0.90.

70-348 Brandon, George L., ed. RESEARCH VISIBILITY. DEVELOPMENT OF PROFESSIONAL PERSONNEL. *American Vocational Journal:* Volume 45, Number 5. p37-52. May 1970. (Report) VT 011 098. MF-$0.25; HC-$0.90.

70-349 Brandon, George L., ed. RESEARCH VISIBILITY. THE DISADVANTAGED AND THE HANDICAPPED. *American Vocational Journal:* Volume 45, Number 4. p41-56. April 1970. (Report) VT 010 882 RIE August 1970. MF-$0.25; HC-$0.90.

70-350 Brandon, George L., ed. RESEARCH VISIBILITY. EXEMPLARY PROGRAMS AND RESIDENTIAL SCHOOLS. *American Vocational Journal:* Volume 44, Number 7. p33-48. October 1969. (Report) ED 033 245 RIE February 1970. MF-$0.25; HC-$0.90.

70-351 Brandon, George L., ed. RESEARCH VISIBILITY. GUIDANCE AND NEW CAREERS. *American Vocational Journal:* Volume 44, Number 9. p41-56. December 1969. (Report) ED 034 882 RIE April 1970. MF-$0.25; HC-$0.90.

70-352 Brandon, George L., ed. RESEARCH VISIBILITY. MANPOWER RESEARCH. *American Vocational Journal:* Volume 44, Number 6. p33-48. September 1969. (Report) ED 032 429 RIE January 1970. MF-$0.25; HC-$0.90.

70-353 Brandon, George L., ed. RESEARCH VISIBILITY. REPORT ON VOCATIONAL RESEARCH. *American Vocational Journal:* Volume 45, Number 3p p37-52. March 1970. (Report) VT 010 663 RIE July 1970. MF-$0.25; HC-$0.90.

70-354 Brandon, George L., ed. RESEARCH VISIBILITY. VOCATIONAL EDUCATION CURRICULUM. *American Vocational Journal:* Volume 45 Number 1. p45-60. January 1970. (Report) ED 036 641 RIE June 1970. MF-$0.25; HC-$0.90.
Brief reviews of selected research studies in vocational, technical and practical arts education.

70-355 Gorman, Anna M. and Magisos, Joel H. BIBLIOGRAPHY OF RESEARCH ON CONSUMER AND HOMEMAKING EDUCATION. 69p. (Bibliography) VT 010 860 RIE September 1970. MF-$0.50; HC-$3.55.
Research and related information on consumer and homemaking education with additional sections on evaluation, disadvantaged, research methodology, teacher education, vocational education, and wage earning home economics.

70-356 Griessman, B. Eugene and Densley, Kenneth G. REVIEW AND SYNTHESIS OF RESEARCH ON VOCATIONAL EDUCATION IN RURAL AREAS. 49p. December 1969. (State-of-the-art Paper) ED 034 632 RIE April 1970. MF-$0.25; HC-$2.55.
A joint review written with the ERIC Clearinghouse on Rural Education and Small Schools. A review and synthesis of vocational education in rural areas in two parts; a sociologist's perspective and an educator's perspective.

70-357 Householder, Daniel L. and Suess, Alan R. REVIEW AND SYNTHESIS OF RESEARCH IN INDUSTRIAL ARTS EDUCATION. 69p. October 1969. (State-of-the-art Paper) ED 034 898 RIE April 1970. MF-$0.50; HC-$3.55.
Research and related information on industrial arts education, including its objectives, curriculum, media, methods, students, facilities, equipment, teacher education, administration, and research.

70-358 Larson, Milton E. REVIEW AND SYNTHESIS OF RESEARCH: ANALYSIS FOR CURRICULUM DEVELOPMENT IN VOCATIONAL EDUCATION. 82p. October 1969. (State-of-the-art Paper) Ed 035 746 May 1970. MF-$0.50; HC-$4.20.
Information relative to curriculum development, including its background and structure, resource materials, sources of content, types of analysis, approaches, and trends.

70-359 Little, Kenneth J. REVIEW AND SYNTHESIS OF RESEARCH ON THE PLACEMENT AND FOLLOW-UP OF VOCATIONAL EDUCATION STUDENTS. 54p. February 1970. (State-of-the-art Paper) ED 037 543 RIE July 1970. MF-$0.25; HC-$2.80.
Covers aspects of the placement and follow-up of vocational education students, including sections on survey, programs, placement information, special groups, benefit-cost, follow-up, and evaluation.

70-360 McCracken, David. INTENSIVE TRAINING FOR JOB ENTRY SKILLS: A SELECTED BIBLIOGRAPHY FOR USE IN PROGRAM DEVELOPMENT. 15p. November 1969. (State-of-the-art Paper) ED 034 061 RIE March 1970. MF-$0.25; HC-$0.85.
A short review, analysis, and bibliography of research and related information relative to planning and implementing exemplary programs, training, and job entry skills for students leaving school.

70-361 McCracken, David. WORK EXPERIENCE FOR BROADENING OCCUPATIONAL OFFERINGS: A SELECTED BIBLIOGRAPHY FOR USE IN PROGRAM DEVELOPMENT. 14p. November 1969. (State-of-the-art Paper) ED 034 062 RIE March 1970. MF-$0.25; HC-$0.80.
Research and related information on cooperative education and work experience programs in vocational and technical education at different levels of preparation. It was developed to assist the planning and implementing of exemplary programs.

70-362 Nelson, Helen Y. REVIEW AND SYNTHESIS OF RESEARCH ON HOME ECONOMICS EDUCATION. 67p. April 1970. (State-of-the-art Paper) VT 010 721 RIE August 1970. MF-$0.50; HC-$3.45.
Information relative to home economics education, including objectives, needs, opportunities, curriculum, programs, materials, methods, students, facilities, teacher education, administration, evaluation, and research.

70-363 Pautler, Albert J. and Schaefer, Carl J. REVIEW AND SYNTHESIS OF RESEARCH IN TRADE AND INDUSTRIAL EDUCATION. 56p. September 1969. (State-of-the-art Paper) ED 036 638 RIE June 1970. MF-$0.25; HC-$2.90.
Materials relative to philosophy and objectives, manpower needs, employment opportunities, curriculum development, educational programs, instructional material and devices, learning process, teaching methods, student personnel processes, facilities and equipment, teacher education, administration, supervision and evaluation in trade and industrial education.

70-364 Phillips, Donald S. and Briggs, Lloyd D. REVIEW AND SYNTHESIS OF RESEARCH IN TECHNICAL EDUCATION. 50p. October 1969. (State-of-the-art Paper) ED 036 639 RIE June 1970. MF-$0.25; HC-$2.60.
Research and related information on many aspects of technical education, including needs, programs, curriculum, students, evaluation, administration, teacher education, methods, devices, facilities and research.

70-365 Price, Ray G. and Hopkins, Charles R. REVIEW AND SYNTHESIS OF RESEARCH ON BUSINESS AND OFFICE EDUCATION. 120p. April 1970. (State-of-the-art Paper) VT 010 722 RIE August 1970. MF-$0.50; HC-$6.10.

Includes objectives, needs, curriculum, programs, materials, methods, students, facilities, teacher education, administration, evaluation, and research on business and office education.

70-366 Wenrich, Ralph C. REVIEW AND SYNTHESIS OF RESEARCH ON THE ADMINISTRATION OF VOCATIONAL AND TECHNICAL EDUCATION. 78p. March 1970. (State-of-the-art Paper) ED 037 542 RIE July 1970. MF-$0.50; HC-$4.00.

Research and related information on policy-making, organization, program planning, staffing, financing, facility planning, evaluating, public relations, and research on the administration of vocational and technical education.

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